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UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURE RESEARCH SERVICE

PLANT QUARANTINE DIVISION

LIST OF INTERCEPTED PLANT PESTS, 1957

(List of Pests Recorded from July 1, 1956, through June 30, 1957 as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

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INTRODUCTION

This forty-fourth report of interceptions summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plant products (1) imported, (2) offered for but refused entry, (3) held as ships' stores, etc., and hence not offered for entry through customs, (4) offered for entry for immediate transportation and exportation in bond, and (5) in domestic shipments between the American Virgin Islands, Hawaii, and Puerto Rico and the mainland.

This report is largely a compilation of insects and plant diseases of known or potential plant quarantine significance to the United States. Some common organisms are included if they are (1) new to the country of origin, or (2) new to the host plant, or (3) are of such limited distribution in the United States that they are worthy of mention.

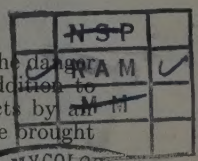
The data for this list, which includes some for the previous year, are largely obtained from identifications made by specialists of the Entomology Research Division and Plant Quarantine Division, supplemented by information supplied by State officials. Some, however, represent critical studies and determinations made by specialists of the Crops Research Division who also identified many of the host plants cited.

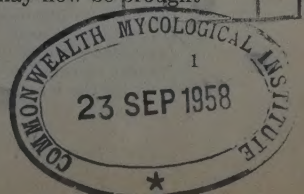
All scientific names are reviewed by specialists in the Department to assure conformance to the International Rules of Nomenclature.

Every effort is made to give the correct origin for all collections listed, questionable cases are omitted or the origin is listed as unknown.

INTERCEPTIONS FROM AIRBORNE MATERIAL

The rapid growth of air transportation continues to increase the danger of foreign plant pests being introduced by this means. In addition to international air travel, commerce in plants and plant products by air is developing steadily. The speed with which pests may now be brought





from all parts of the world makes conditions more favorable for their survival and necessitates constant vigilance to apprehend them at ports of entry.

Pests were intercepted on plant material arriving by airborne baggage, express, freight, mail, and stores. During the year 3,024 interceptions were made of insects on imported plant parts or as stowaways, and 559 interceptions of plant diseases.

Some important insect interceptions in airborne material were:

Adoxophyes orana on lilac in cargo from the Netherlands.

The Citrus blackfly (*Aleurocanthus woglumi*) on citrus leaves in baggage from Mexico and Nicaragua.

Anastrepha fraterculus in peach in baggage from Peru.

The Mexican fruit fly (*Anastrepha ludens*) in grapefruit in baggage from Mexico; in mango in baggage from Guatemala; in orange in baggage from Mexico; and in white sapote in cargo from Mexico.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in bitter-almond in baggage from the Dominican Republic; in guava in baggage from Guatemala; in mango in baggage from Antigua, British Honduras, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Puerto Rico, St. Kitts, and Salvador; in mango in quarters from an unknown origin; in yellow mombin in baggage from Central America (country (?)), the Dominican Republic, Guatemala, Nicaragua, and Salvador.

Anastrepha serpentina in mamey in baggage from Mexico; and in mamey sapote and sapodilla in baggage from Nicaragua.

Anastrepha striata in guava in baggage from Guatemala and Salvador.

Anastrepha suspensa in guava in baggage from Puerto Rico; and in guava in cargo from Jamaica.

A rose stem borer, *Ardis sulcata*, in rose stem in quarters from Germany.

The Mediterranean fruit fly (*Ceratitis capitata*) in apricot in stores from France; in avocado in preflight inspection of baggage leaving Hawaii for the mainland; in cherimoya in baggage from South America (country (?)); in coffee berry in preflight inspection of baggage leaving Hawaii for the mainland; in fig in baggage from Italy; in grapefruit in baggage from Bermuda; in loquat in baggage from Italy; in orange in baggage from Iraq; in orange in stores from the Azores, France, and an unknown origin; in peach in baggage from Argentina, Azores, and Italy; in pear in baggage from Italy and an unknown origin; in pear in stores from an unknown origin (Mediterranean region); in plum in baggage from Germany and Italy. *C. capitata* (?) in coffee berry in preflight inspection of baggage leaving Hawaii for the mainland; in guava in baggage from the Azores; in orange in baggage from the Madeira Islands; and in orange in stores from Israel (?).

Cylas formicarius var. in sweetpotato in cargo from the Philippines.

Palaeopus costicollis in yam in baggage from Jamaica.

The pink bollworm (*Pectinophora gossypiella*) in cottonseed in baggage from the Bahamas and Cuba; in cotton boll in preflight inspection of baggage leaving Hawaii for the mainland; in cotton lock in baggage from Cuba; and in okra in baggage from the Dominican Republic.

The gypsy moth (*Porthetria dispar*) in apricot in stores from France.

The European corn borer (*Pyrausta nubilalis*) in samples of broomcorn in mail from Yugoslavia.

Rhagoletis cerasi in cherries in baggage from France, Germany, and Greece; in cherries in quarters from Germany; and in cherries in stores from France, Italy, Portugal, and Spain.

Rhagoletis cingulata in cherries in stores from France.

Interceptions of airborne plant pathogens of interest were:

Alternaria dauci on coriander leaf in cargo from Puerto Rico.

Cercospora panacis (?) on *Nothopanax* sp. in quarters from Australia.

Chrysomyxa ledi var. *rhododendri* on rhododendron leaves in baggage from Austria and Switzerland; on rhododendron leaves in mail from Germany and Switzerland; and on rhododendron leaves in quarters from Germany.

Corynespora cassiicola on palm fronds in cargo from Mexico.

Hypocrella sloaneae on leaf of *Chamaedorea oblongata* in cargo from Mexico.

Leptosphaeria culmifraga on rice straw in baggage from Japan.

Meliola acervata on *Physalis peruviana* in preflight inspection of baggage leaving Hawaii for the mainland.

Mycosphaerella cattleyae on a leaf of *Epidendrum* sp. in cargo from Ecuador; and on an orchid leaf in cargo from New Guinea.

Phoma citricarpa on *Citrus* sp. peel in baggage from Japan; on grapefruit in baggage from Pakistan; on lemon in stores from Australia; on Mandarin orange in baggage from China, Hong Kong, Japan, and the Philippines; on orange in baggage from Hong Kong, Japan, and the Union of South Africa; on orange in quarters from Mozambique and the Union of South Africa; and on orange in stores from Australia, Brazil, Mozambique, and the Union of South Africa.

Phyllosticta coccolobae on seagrape in baggage from Kwajalein.

Phyllosticta fusco-zonata (?) on leaves of *Rubus* sp. in stores from Italy.

Pseudopeziza ribis on leaves of European black currant in baggage from Germany.

Septoria petroselini on parsley in stores from the Azores.

Sphaceloma fawcettii var. *scabiosa* on *Citrus hystrix*, lemon, and lime in stores from Australia.

Uredo scabies on leaf and stem of *Vanilla* sp. in baggage from Panama.

Citrus canker (*Xanthomonas citri*) on orange in quarters and stores from Japan; and on satsuma orange in baggage from Hong Kong.

Xanthomonas malvacearum on cotton leaf in baggage from the Bahamas.

Xanthomonas sp. (Cancrosis B) on lemon in stores from Argentina.

The following nematodes were found in airborne material:

Helicotylenchus erythrinae in soil with amaryllis bulbs in baggage from Portugal; in soil with dahlia roots in baggage from Scotland; in soil with gladiolus corms and lily bulbs in baggage from Italy; and in soil with plants in baggage from Canada.

Helicotylenchus multicinctus in soil around roots of bloodleaf in baggage from Costa Rica.

Helicotylenchus nannus in soil with begonia and Crassulaceae plants in baggage from the Azores; in soil with cuttings of begonias and fuchsias in baggage from Greece; in soil with heather in baggage from Scotland; in soil with rhododendron plants in baggage from Scotland; in soil with mint plants in baggage from Cuba; in soil with sansevieria plants in baggage from Haiti; and with soil around roots of an unknown plant in baggage from Jamaica.

The oat nematode (*Heterodera major*) in soil with geranium plants in baggage from England.

The golden nematode (*Heterodera rostochiensis*) in soil with amaryllis, euonymus, geranium, and oxalis plants in baggage from Ireland; in soil on a pair of boots in baggage from Ireland; in soil with heather in baggage from Scotland; in soil with lily-of-the-valley plants, hyacinth, lily, and tulip bulbs in baggage from England; and in soil with shamrock plants in mail from England.

Rotylenchus erythrinae (?) in soil with aloe plants in baggage from Jamaica.

Rotylenchus reniformis in soil with unidentified bulbs in baggage from Cuba.

Rotylenchus robustus in soil with carnation and primrose plants and tuberose bulbs in baggage from England.

Tylenchorhynchus brevidens with primrose plants in baggage from Ireland.

Tylenchorhynchus dubius in soil with plants in baggage from Canada.

Tylenchus filiformis in soil with cactus plant in baggage from Greece; and in soil with *Sedum* sp. in baggage from Italy.

NOTES ON INSECTS INTERCEPTED

FRUIT FLIES

The following fruit flies were intercepted:

Acidia heraclei (?) in celery in stores from France.

Anastrepha fraterculus in peach in air baggage from Peru.

The Mexican fruit fly (*Anastrepha ludens*) in apple in baggage from Mexico; in grapefruit in stores from British Honduras and Mexico; in grapefruit in baggage from Mexico; in Mandarin orange in baggage from Mexico; in mango in air baggage from Guatemala; in mango in baggage and stores from Mexico; in orange in stores from Guatemala; in orange in air baggage, baggage, quarters, and stores from Mexico; in peach, pear, ponderosa lemon, quince, and sweet lime in baggage from Mexico; and in white sapote in baggage and air cargo from Mexico. *A. ludens* (?) in mamey sapote and mango in baggage from Mexico.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in bitter-almond in air baggage from the Dominican Republic; in guava in air baggage from Guatemala; in guava in baggage from Cuba and Mexico; in guava and guava berry in cargo from

Tortola; in mango in air baggage from Antigua, British Honduras, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Puerto Rico, St. Kitts, and Salvador; in mango in baggage from Mexico, Puerto Rico, Salvador, and Tortola; in mango in cargo from Cuba and Tortola; in mango in mail from Cuba and Panama; in mango in air quarters from an unknown origin; in mango in quarters from Cuba, Puerto Rico, and Trinidad; in mango in stores from Panama; in mombin (*Spondias* sp.) in air baggage from British Honduras, Guatemala, and Salvador; in purple mombin in air baggage from Guatemala, Mexico, and Nicaragua; in yellow mombin in air baggage from Central America (country (?)), Dominican Republic, Guatemala, Nicaragua, and Salvador; and in yellow mombin in baggage from St. Martin; *A. mombinpraeoptans* (?) in mango in baggage from Ecuador; and in mango in stores from Venezuela.

Anastrepha serpentina in mamey in air baggage from Mexico; in mamey sapote in air baggage from Nicaragua; in mamey sapote in baggage from Mexico; in mamey sapote in stores from Colombia; and in sapodilla in air baggage from Nicaragua.

Anastrepha striata in guava in air baggage from Guatemala and Salvador; in guava in baggage from Mexico; and in guava in mail from Puerto Rico.

Anastrepha suspensa in guava in air baggage from Puerto Rico; and in guava in air cargo from Jamaica.

The Mediterranean fruit fly (*Ceratitis capitata*) in apricot in air stores from France; in avocado in baggage from Hawaii; in cherimoya in air baggage from South America; in cherry in mail from Italy; in coffee in preflight inspection of baggage leaving Hawaii for the mainland; in coffee in baggage from Hawaii; in *Crataegus* sp. in baggage from Italy; in fig in air baggage from Italy; in grape in cargo from the Union of South Africa; in grapefruit in air baggage from Bermuda; in grapefruit in stores from Argentina, Israel, and Italy; in lemon in stores from Italy; in loquat in air baggage from Italy; in Mandarin orange in baggage from Italy; in Mandarin orange in stores from Algeria, Italy, and Spain; in orange in air baggage from Iraq; in orange in air stores from Azores, France, and an unknown origin; in orange in stores from Brazil, Egypt, and Italy; in peach in air baggage from the Azores and Italy; in peach in cargo from the Union of South Africa; in peach in air stores from Argentina; in peach in stores from Italy; in pear in air baggage from Italy and an unknown origin; in pear in baggage from Italy; in pear in air stores from an unknown origin; in persimmon in baggage from Italy; in plum in air baggage from Germany and Italy; in pricklypear in baggage from Greece and Italy. *C. capitata* (?) in Arabian coffee in mail leaving Hawaii for the mainland; in coffee in preflight inspection of baggage leaving Hawaii for the mainland; in guava in air baggage from the Azores; in orange in air baggage from the Madeira Islands; in orange in quarters from Brazil and Gibraltar; in orange in air stores from Israel (?); in orange in stores from Brazil; and in pomegranate in baggage from Italy.

Dacus ciliatus (?) in squash in stores from French West Africa.

The melon fly (*Dacus cucurbitae*) in bell pepper and tomato in stores from Hawaii. *D. cucurbitae* (?) in cucumber in stores from Hawaii.

The oriental fruit fly (*Dacus dorsalis*) in *Actinophloeus macarthuri* (palm) in baggage from Hawaii; an adult on an airplane from Guam; an adult in package containing anthurium and orchid flowers in mail from Hawaii; in coffee in air baggage and mail from Hawaii; in guava in air baggage from Hawaii; in Malay-apple in baggage from Hawaii. *D. dorsalis* (?) in *Calophyllum inophyllum* in mail from Hawaii; in Arabian coffee in air baggage and mail from Hawaii; in coffee in mail from Hawaii; and in fig in air baggage from Hawaii.

The olive fruit fly (*Dacus oleae*) in olive in baggage from Greece and Italy; in olive in air baggage from Italy and Lebanon; and in olive in stores from Italy.

Rhagoletis basiola in rose hips in mail from Canada.

Rhagoletis cerasi in apple in air stores from Italy (?); in cherry in air baggage from France, Germany, Greece, Italy, and an unknown origin; in cherry in baggage from Italy; in cherry in air stores from France, Germany, Italy, Portugal, Spain, and an unknown origin; in cherry in stores from Spain; *R. cerasi* (?) in apple in air stores from an unknown origin; and in cherry in air stores from Italy and the Netherlands.

The cherry maggot (*Rhagoletis cingulata*) in air stores from France.

INSECTS OTHER THAN FRUIT FLIES

The following miscellaneous insects of unusual interest were intercepted:

Acrolepia assectella (Hyponomeutidae) in leek in stores from France, Morocco, and Spain.

The citrus blackfly (*Aleurocanthus woglumi*) on *Citrus* sp. leaf in baggage from Mexico; on decorative greens in cargo from Mexico; on an unknown plant in soil from Mexico; and on sour lime leaf in cargo from Mexico.

Arge ochropa (Argidae) on roses in air baggage from Germany.

Bruchophagus coluteae (Eurytomidae) in *Colutea arborescens* seeds in cargo from Italy.

A carposinid, *Carposina sasakii*, in apple in air baggage, air stores, and quarters from Japan.

The banana root borer (*Cosmopolites sordidus*) in banana in cargo from Mexico.

A phycitid, *Cryptoblabes gnidiella*, in pomegranate in air baggage and baggage from Israel, Italy, and Libya.

Dichocrocis punctiferalis (Pyraustidae) on *Pinus pentaphylla* foliage in cargo from Japan.

Epicaerus cognatus (Curculionidae) in potato in stores from Mexico.

The oriental fruit moth (*Grapholitha molesta*) in peach in air quarters from Japan.

A hydrophilid, *Helophorus rugosus*, in turnip in stores from England.

Hemimene juliana (Olethreutidae) in chestnut in cargo from Italy; and in chestnut in stores from Europe (?).

Lixus junci (Curculionidae) in beet in stores from Egypt.

Mamestra brassicae (Noctuidae) in cabbage in stores from Belgium; in cauliflower in stores from Germany; in celery in stores from England; and in lettuce in stores from Belgium.

A curculionid, *Naupactus xanthographus*, in grape in cargo from Chile.

A scolytid, *Scolytus multistriatus*, in elm bark in cargo from Canada.

The durra stem borer (*Sesamia cretica*) in broomcorn in cargo and quarters from Italy; and in broomcorn in mail from Greece.

Stephanoderes hampei (Scolytidae) in Arabian coffee in mail from Liberia; in *Coffea canephora* in mail from French West Africa; in *Coffea ugandae* in mail from French Equatorial Africa; and in coffee in stores from Angola.

Trogoderma granarium (Dermestidae) with mung beans and sorghum seed in mail from Pakistan; in rice in stores from Brazil, Formosa, Hong Kong, India, Kuwait, and Straits Settlements; and with wheat in stores from Formosa.

SNAILS

Bradybaena similaris, an injurious snail not established in the United States, was intercepted 115 times with plant material in baggage, cargo, and mail leaving Hawaii for the mainland and once with lily bulbs in baggage from Bermuda.

Lamellaxis gracilis, injurious in greenhouses and not established in the United States, was found with roots of *Cattleya* sp. in preflight inspection of mail leaving Hawaii for the mainland.

Porphyrobapha iostoma, not injurious under normal conditions and not established in the United States, was taken with bananas in cargo from Ecuador and Honduras.

Theba pisana, an injurious snail not known to be established in the United States, was intercepted with beets in stores from Belgium, on a conex box in air cargo from Morocco, with dunnage in quarters from Morocco, with military cargo from Morocco and Tripoli, and with Swiss chard in stores from Venezuela.

Other snails of economic importance but of limited distribution in the United States and worthy of mention were: *Arion circumscriptus*, *Deroceras reticulatum*, *Limax marginatus*, *L. maximus*, and *Zonitoides orboreus*.

NOTES ON DISEASES INTERCEPTED

The sweet orange scab (*Elsinoe australis*) was intercepted 59 times; 18 of these interceptions came from Argentina on lemon and oranges; 41 from Brazil on grapefruit, lemon, orange, and sweet lime.

Citrus canker (*Xanthomonas citri*) was intercepted 66 times; 58 of these came from Japan, 4 from China, one each from Formosa, Hong Kong, Philippines, and Thailand. These interceptions were made from the following hosts: Grapefruit, lemon, lime, Mandarin orange, orange, pummelo, satsuma orange and sour orange.

Cancrosis B (*Xanthomonas* sp.), another bacterial disease of citrus, producing symptoms similar to citrus canker, was intercepted twice from Argentina on lemon.

The black spot of citrus (*Phoma citricarpa*) was intercepted 132 times; 49 of these came from the Union of South Africa, 26 from Hong Kong, 23 from China, 11 from Australia, 10 from Japan, 3 each from Brazil, Mozambique, and an unknown origin, and one each from Africa, Macao, Pakistan, and the Philippines. These interceptions

were made on the following hosts: *Citrus* sp., grapefruit, lemon, Mandarin orange, orange, and valencia orange.

Other interceptions were:

Corynespora cassiicola on palm in cargo from Mexico.

Heterosporium echinulatum on carnation in baggage from Colombia.

Heterosporium iridis on iris leaf in cargo from Canada.

"Leprosis" on lemon in stores from Peru.

Mainsia variabilis on *Rubus* sp. plant in baggage from Colombia.

Melampsora populnea on European aspen in mail from Germany.

Phyllosticta fusco-zonata (?) on *Rubus* sp. leaf in stores from Italy.

Puccinia allii on garlic in stores from Israel.

Septoria antirrhini on snapdragon in mail from France.

Septoria astericola on an aster leaf in mail from England.

Stemphylium botryosum on pepper in stores from Liberia.

Uredo scabies on *Vanilla* sp. leaf and stem in baggage from Panama.

Urocystis cepulea on onion in stores from Israel.

Uromycladium tepperianum on a seed pod of *Acacia aneura* in mail from Australia.

NEMATODES

The oat nematode (*Heterodera major*) was intercepted 15 times from the following countries: Belgium, Denmark, England, Ireland, Italy, Netherlands, Scotland, Spain, and Sweden. These interceptions were taken in soil with *Cymbalaria* sp. plants, soil with garlic, soil with geranium plants, soil with horseradish, soil with jute bagging, soil with surplus military equipment, soil with potatoes, soil with potted plants, and soil with shallots.

The golden nematode (*Heterodera rostochiensis*) was intercepted 85 times from the following countries: Argentina, Belgium, Ecuador, England, Germany, Greece, Iceland, Ireland, Mexico, Netherlands, Peru and Scotland. These interceptions were taken in soil with automobiles, soil on a pair of boots, and in soil with bulbs, plant material, and vegetables.

Other nematodes of special interest were:

Heterodera carotae (?) in soil with carrots in stores from Germany.

Helicotylenchus erythrinae in soil with amaryllis bulbs in air baggage from Portugal; in soil with dahlia roots in air baggage from Scotland; in soil with gladiolus corms and lily bulbs in air baggage from Italy; and in soil with plants in air baggage from Canada.

Pratylenchus minyus in roots of oleander plant in baggage from Austria.

Rotylenchus erythrinae (?) in soil with aloe plants in air baggage from Jamaica.

Rotylenchus reniformis in soil with unidentified bulbs in air baggage from Cuba.

Rotylenchus robustus in soil with carnation and primrose plants and tuberose bulbs in air baggage from England.

Tylenchorhynchus brevidens in soil with primrose plants in air baggage from Ireland.

Other nematodes of possible concern were several species of *Meloidogyne* intercepted from the following countries: Australia, Bahamas, Belgium, Brazil, Canada, Canal Zone, Chile, Costa Rica, Cuba, Dominican Republic, Ecuador, England, France, French West Africa, Germany, Guatemala, Hawaii, India, Jamaica, Japan, Martinique, Mexico, Netherlands, Peru, Thailand, and the Union of South Africa with various plant materials and vegetables.

INCOMPLETELY DETERMINED PESTS

Frequently complete determinations as to species are impossible or impracticable due to the stage or condition of the insects or pathogens on arrival. Some of these pests may be of economic importance, hitherto unreported from the United States, unknown for the host plant, or they may come from a new country of origin. As a matter of record they are included in this separate list but not in the table form.

INSECTS

Among the incompletely determined insects were the following fruit flies:

Anastrepha sp. probably *fraterculus*, at Houston, Tex., in orange in quarters from Brazil; at Jacksonville, Fla., in orange in stores from Brazil; at Miami, Fla., in coffee berry in air baggage from Colombia; at Mobile, Ala., in orange in stores from Brazil;

at New York, N. Y., in orange in air stores from Argentina; and at San Juan, P. R., in sapodilla in air baggage from Brazil.

Anastrepha sp., possibly *ludens*, at Laredo, Tex., in mango and pear in baggage from Mexico; at Miami, Fla., in quince in air baggage from Peru; at New Orleans, La., in orange in baggage and in plum in air baggage from Mexico; at Nogales, Ariz., in orange in baggage from Mexico; and at San Diego, Calif., in orange in air baggage and baggage from Mexico.

Anastrepha sp., possibly *mombinpracoptans*, at Miami, Fla. in mango in air baggage from Cuba; at Norfolk, Va., in mango in baggage from Puerto Rico; at New Orleans, La., in mombin in baggage from Salvador; and at San Pedro, Calif., in yellow mombin in air baggage from Colombia.

Anastrepha sp., probably *serpentina*, at Brownsville, Tex., Del Rio, Tex., El Paso, Tex., and Laredo, Tex., in mamey sapote in baggage from Mexico; at Houston, Tex., in mamey sapote in air baggage from Mexico and in sapodilla in air baggage from Colombia; and at Miami, Fla., in sapodilla in air baggage from Nicaragua.

Anastrepha sp., probably *striata*, at Brownsville, Tex., in guava in air baggage from Colombia and Salvador; at New York, N. Y., in guava in air baggage from the Dominican Republic; at Nogales, Ariz., in guava in baggage from Mexico; and at San Pedro, Calif., in guava in air baggage from Nicaragua.

Anastrepha sp., probably *suspensa*, at Chicago, Ill., in guava in mail from Puerto Rico; at New York, N. Y., in guava in air cargo from Jamaica.

Anastrepha sp. at Baltimore, Md., in orange in stores from Brazil and Peru; at Boston, Mass., in orange in stores from Peru; at Brownsville, Tex., in mango in air baggage from Salvador; in orange and plum in baggage from Mexico; and in star-apple in air baggage from Colombia; at Calexico, Calif., in mango in baggage from Mexico; at Charleston, S. C. in orange in stores from Brazil; at Eagle Pass, Tex., in mamey in baggage from Mexico; at El Paso, Tex., in mamey sapote, sapote, and sweet lime in baggage from Mexico; at Galveston, Tex., in grapefruit in quarters from Brazil and in orange in stores from Argentina and Peru; at Laredo, Tex., in mamey sapote and pear in baggage from Mexico; at Miami, Fla., in guava in air baggage from Salvador; in mamey in air baggage from Mexico; in mango in air baggage from Haiti, Jamaica, and an unknown origin; in mango in air stores from Salvador; and in purple mombin in air baggage from Venezuela; at New Orleans, La., in grapefruit in stores from Jamaica; in guava in mail from Salvador; in mamey sapote in baggage from Guatemala; in purple mombin in air baggage from Guatemala and Mexico; in orange in stores from Argentina and Brazil; in orange in quarters from Brazil; in white sapote in air baggage from Guatemala; and in star-apple in air baggage from Mexico; at New York, N. Y., in *Annona* sp. in air baggage from Brazil; in grapefruit in stores from Argentina; in guava in air baggage from Brazil; in mango in air stores from Colombia; in orange in baggage from Argentina; in sapodilla in air baggage from Colombia and Trinidad; and in sapodilla in mail from Trinidad; at Philadelphia, Pa., in cucurbit in stores from Venezuela; at Port Arthur, Tex., in orange in stores from Peru; at Charlotte Amalie, St. Thomas in grapefruit in stores from Brazil; at San Juan, P. R. in guava in air baggage from Trinidad; in guava in air cargo from the Dominican Republic; in mango in air quarters from Brazil and in air baggage from the Dominican Republic; in nispero in air baggage from Trinidad; and in rose-apple in air baggage from the Dominican Republic; at San Ysidro, Calif., in mango in baggage from Mexico; and at Savannah, Ga., in lemon in stores from Brazil.

Ceratitis sp. at Philadelphia, Pa., in Mandarin orange in stores from Belgian Congo.

Dacus sp. at Honolulu, Hawaii in mango in air baggage from the Philippines and an unknown origin.

Rhagoletis sp., probably *cerasi*, at Boston, Mass., in cherry in air stores from France.

Rhagoletis sp. at Nogales, Ariz., in *Crataegus* sp. in baggage from Mexico; and at Washington, D. C., in rose hips in mail from Iran and Sweden.

An adult *Tephritis* sp. on an airplane leaving Honolulu, Hawaii for the mainland.

Thirty-five interceptions identified to family only, Tephritidae, were intercepted at the following ports: Baltimore, Md., in orange in stores from Brazil; at Boston, Mass., in apple in air baggage from the Azores; in grapefruit in stores from the Union of South Africa; in orange in air stores from Brazil and Spain (?); in peach in cargo from the Union of South Africa; and in pomegranate in air baggage from Greece; at Chicago, Ill., in *Crataegus* sp. in air mail from Germany; in orange in air stores from an unknown origin; at Eagle Pass, Tex., in apple in baggage from Mexico; at El Paso, Tex., in orange in baggage from Mexico; at Galveston, Tex., in vegetable marrow in stores from West Africa; at Hidalgo, Tex., in apple in baggage from Mexico; at Honolulu, Hawaii in coffee berry and in coconut in baggage in preflight inspection of airplanes leaving Hawaii for the mainland; in *Sesbania grandiflora* flower in preflight inspection of mail

leaving Hawaii for the mainland; and in guava in air cargo from the Straits Settlements; at New Orleans, La., in orange in stores from Spain; at New York, N. Y., (pupa) with banana in cargo from Guatemala; in chestnut in baggage from Italy; in European grape in cargo from Argentina; in fig in air baggage from Lebanon; in orange in air stores from the Union of South Africa; and 5 pupae attached to paper in basket of fruit in air baggage from Italy; at Nogales, Ariz., in avocado in baggage from Mexico; and in *Crataegus* sp. in baggage from Mexico; at Port Arthur, Tex., (pupa) on floor of ice box where oranges from Spain had been stored; at San Juan, P. R., in grapefruit in stores from Brazil; at Washington, D. C., (pupae) with *Arnica cordifolia* flower and seed in mail from Canada; in *Ilex mutchagara* berry and in *Meliosma rigida* in mail from Japan; and in rose hips in mail from Sweden.

Other incompletely determined insects worthy of mention were:

Acrolophus sp. (Acrolophidae), presumably a new species, at Nogales, Ariz., with bulbstem yucca in cargo from Mexico.

Aleurocerus sp. (Aleyrodidae), undescribed, at Jacksonville, Fla., on decorative greenery in cargo from Mexico.

An aleyrodid, Aleurodicinae, a new genus near *Aleurodicus*, at Laredo, Tex., on *Epidendrum mariae* plant in cargo; and on an orchid leaf in baggage from Mexico.

An aleyrodid, *Aleurodicus* sp., a new species near *coccolobae* Q. & B., at Miami, Fla., on bauhinia leaf in air baggage from Costa Rica.

Apsychomyrmex sp., a rather rare genus of ants, at Honolulu, Hawaii with orchids in air cargo from Costa Rica.

A tortricid, *Archips* sp., at Houston, Tex., in an apple in air baggage from Mexico.

Aspidiotus sp. (Coccidae), an undescribed species, at Hoboken, N. J., on *Odontoglossum pulchellum* leaf in air cargo from England.

Asterolecaniidae, "pretty surely a new genus and species, superficially, closest to *Mycetococcus;* an interesting collection," at Brownsville, Tex., on cycad in cargo from Mexico.

Baris sp., probably *lepidii* Germ., (Curculionidae) at Houston, Tex., in turnip in stores from France.

Baris sp. at New York, N. Y., in horseradish in air cargo from Poland; in horseradish in cargo from Yugoslavia; and in radish in air stores from Sweden.

A blastobasid, new to the National Museum collection, at Nogales, Ariz., with bulbstem yucca in cargo from Mexico.

Blastodacna sp. (Cosmopterygidae) at Washington, D. C., in *Malus* sp. in mail from France.

A curculionid, *Brachycerus* sp., at New York, N. Y., in *Pancratium* sp. bulb in cargo from Turkey.

A curculionid, *Brachyrhinus* sp., at Hoboken, N. J., in soil with miscellaneous bulbs in mail from Switzerland.

Epicaerus sp. (Curculionidae) at Brownsville, Tex., in potatoes in stores from Mexico; at Eagle Pass., Tex., El Paso, Tex., and Hidalgo, Tex., in potatoes in baggage from Mexico; at Galveston, Tex., and Mobile, Ala., in potatoes in stores from Mexico.

"*Eulia*" sp. (Tortricidae) at New York, N. Y., in grape, nectarine, peach, and plum in cargo from Chile.

A scarabaeid, *Euphoria* sp., new to the National Museum collection, at New Orleans, La., on a bale of sisal in cargo from Mexico.

Euscepes sp. (Curculionidae) at Charleston, S. C., and Houston, Tex., in sweetpotato in stores from Brazil; and in sweetpotato at Honolulu, Hawaii in air baggage from Okinawa.

Furcaspis sp. (Coccidae), an undescribed species, at Brownsville, Tex., on *Chamaedorea* sp. leaf in air cargo from Mexico.

Gelechiid, new to the National Museum collection, at Boston, Mass., in pistache seed in air baggage from Italy.

Grapholitha sp., presumably *molesta* (Olethreutidae), at Philadelphia, Pa., in apple in stores from Japan.

Grapholitha sp., near or = *packardi* Zell. (Olethreutidae), at El Paso, Tex., on *Crataegus* sp. in baggage from Mexico.

An olethreutid, *Gymnandrosoma* sp., near or = *aurantianum* Costa Lima, at Laredo, Tex., in mango in baggage from Mexico; at Houston, Tex., in orange in stores from Argentina; and at New Orleans, La., in purple mombin in air baggage from Mexico.

Lema sp., probably *lichensis* Voet. (Chrysomelidae), at Chicago, Ill., with cut asters in air baggage from Germany.

A curculionid, *Lixus* sp. at Philadelphia, Pa., in stores from Egypt and Italy; and at New York, N. Y., in *Cynara* sp. bud in cargo from Italy.

Mediolata sp. (Stigmaeidae), a unique specimen, at Honolulu, Hawaii on Mandarin orange in air stores from Japan.

A chrysomelid, *Omoplata* sp., new to the National Museum collection, at Galveston, Tex., in banana debris in cargo from Ecaudor.

Palaeopus sp. (Curculionidae) at New York, N. Y., in yam in air baggage from British West Indies; and in yam in air cargo from Jamaica.

A coccid, "*Phenacoccus*" sp.—Phenacoccus series but not characteristic for the genus and not placed as described—at Hoboken, N. J., on *Ornithogalum* sp. in mail from the Union of South Africa.

Prays sp. (Hyponomeutidae) at Honolulu, Hawaii in *Pelea* sp. in mail leaving Hawaii for the mainland.

A curculionid, *Premnotrypes* sp., at Galveston, Tex., in potato in stores from Peru; and at Mobile, Ala., in potato in stores from Colombia.

Procryptotermes sp. (Kalotermitidae), a new species, at Christiansted, St. Croix in dry tamarind wood in stores from the French West Indies.

Procumbitermes sp. (Termitidae) at New York, N. Y., in nest built of mud in air cargo from Belgian Congo.

Pseudococcus sp. (Coccidae), not placed as a described species, was intercepted 41 times at 13 different ports on various plant material from the following countries: Barbados, Brazil, Canal Zone, Canary Islands, Chile, Costa Rica, Ecuador, Guatemala India, Indo-China, Japan, Mexico, Peru, Philippines, Spain, and Tortola.

Pseudoparlatoria sp. (Coccidae), not placed as any of the described species, at Hoboken, N. J., on anthurium leaf in air cargo from Colombia.

Puto sp. (Coccidae), probably undescribed, at Brownsville, Tex., and at Laredo, Tex., on anthurium and philodendron in cargo from Mexico; and at Miami, Fla., on an orchid leaf in air cargo from Mexico.

A scolytid, *Scolytus* sp., at New York, N. Y., in unidentified wood in cargo from Sweden.

Steatococcus sp. (Coccidae), not placed as one of the described species but a North American relative of *Icerya*, at Nogales, Ariz., on jumping bean in cargo from Mexico.

DISEASES

Incompletely determined pathogens worthy of mention were:

Ascochyta sp. at Washington, D. C., on a leaf of *Araujia* sp. in mail from Portugal.

Cercospora sp., close to *panacis* Thirum. & Chupp, at Honolulu, Hawaii on *Nothopanax* sp. in air stores from the Fiji Islands.

Cercospora sp. at Miami, Fla., on a leaf of *Cassia moschata* in air mail from the Canal Zone; and at Houston, Tex., on *Chamaedorea* sp. fronds in air cargo from Mexico.

Coniothecium sp. at Laredo, Tex., on *Oncidium* sp. in cargo from Mexico; and at Nogales, Ariz., on cactus in cargo from Mexico.

Coniothyriopsis sp. at Nogales, Ariz., on agave and *Lemaireocerus* sp. in baggage from Mexico and organpipe-cactus in cargo from Mexico.

Coniothyrium sp. at Nogales, Ariz., on orchid in mail from Mexico.

Echidnodes sp. at San Francisco, Calif., on *Laelia superbiens* in cargo from Guatemala.

Helminthosporium sp. at Nogales, Ariz., on cantaloupe in cargo from Mexico.

Hendersonia sp. at Honolulu, Hawaii on *Nothopanax* sp. in air stores from the Fiji Islands.

Hysterographium sp., close to *mori* (Schw.) Rehm, on organpipe-cactus in cargo from Mexico.

Isaria sp. at San Antonio, Tex., on *Chamaedorea oblongata* leaf in air cargo from Mexico.

Leptographium sp. at Nogales, Ariz., on guava in baggage from Mexico.

Leptosphaeria sp. at Laredo, Tex., on agave in baggage from Mexico; at New York, N. Y., on a leaf of *Erythrophleum guineense* in air cargo from Gold Coast; at Philadelphia, Pa., on a leaf of Musaceae in air baggage from Denmark; and at San Pedro, Calif., on Jobs-tears in cargo from Japan.

Lophodermium sp. at Brownsville, Texas, on an orchid leaf in cargo from Mexico.

Microstroma sp. at Hoboken, N. J., on *Pelargonium* sp. leaf in mail from France; and at Philadelphia, Pa., on apple in stores from Egypt.

Neohoehnelia sp. at Washington National Airport, Arlington, Va., on tangerine in air stores from Africa.

Ophiostoma sp. at Hoboken, N. J., on gladiolus in mail from Czechoslovakia.

Pestalotia sp. at Laredo, Tex., on mamey in baggage from Mexico; at San Pedro, Calif., on Jobs-tears in cargo from Japan; and at New Orleans, La., on avocado in air baggage from Salvador.

Phyllosticta sp. at Brownsville, Tex., on *Chamaedorea* sp. in baggage from Mexico; at El Paso, Tex., on a sapote leaf in mail from Mexico; at Miami, Fla., on gardenia leaf in quarters from Cuba; and at San Juan, P. R., on agave in air baggage from St. Martin.

Phyllostictina sp. at Honolulu, Hawaii on *Barringtonia speciosa* in air baggage from Kwajalein.

Rhytisma sp. at Washington, D. C., on Japanese azalea in mail from Japan.

Septonema sp., close to *toruloides* Cke. & Ell., at Laredo, Tex., on *Chamaedorea* sp. in cargo from Mexico.

Septoria sp. at Brownsville, Tex., on philodendron in cargo from Mexico; at Laredo, Tex., on avocado in baggage from Mexico; at Nogales, Ariz., on yucca in cargo from Mexico; and at San Pedro, Calif., on an oak leaf in air baggage from Denmark.

Stachybotrys sp., probably *atrata* Cda., at Nogales, Ariz., on cantaloupe in cargo from Mexico.

Uredo sp. at Miami, Fla., on *Tillandsia* sp. leaf in air baggage from Mexico; and on *Trigonidium seemannii* leaf in air mail from the Canal Zone.

Verticillium sp. at Philadelphia, Pa., on a willow twig in quarters from the Netherlands.

Zygosporium sp., probably *oschioides* Mont., at Brownsville, Tex., on *Chamaedorea* sp. leaf in air cargo from Mexico.

NEMATODES

Aphelenchoides sp. at Boston, Mass., with amaryllis bulbs in air baggage from Bermuda; in beet in stores from the Netherlands; in celeriac in stores from Germany; with holly cutting in air baggage from Ireland; in lily-of-the-valley pips in air baggage from England; in oak timber in cargo from England; in onion in air baggage and cargo from Italy; in soil with cactus plant in baggage from Canada; in soil with carrots, parsnips, and potatoes in stores from Argentina; in soil with hydrangea plant in air baggage from Iran; in soil with rosemary plant in air baggage from Italy; and with potatoes in stores from Poland; at Key West, Fla., in soil from an automobile from Cuba; at Miami, Fla., in soil with aloe, croton, and an unknown plant in air baggage from Jamaica; in soil with cactus plants in air baggage from Brazil; in soil with carrots in stores from Germany; and in soil with an unknown plant in air baggage from Panama; at Newport News, Va., in soil with lily bulbs in cargo from Japan; at Nogales, Ariz., with a coleus plant in baggage from Mexico; at Norfolk, Va., in unknown flower bulbs and lily bulbs in cargo from Japan; at Pensacola, Fla., in soil in potato bin in stores from Belgium; and at San Francisco, Calif., with roots of tree peonies in cargo from Japan.

Aphelenchus sp. at Boston, Mass., in soil with cactus plant in baggage from Canada; in soil with carnation plants in air baggage from Greece; in soil with carrots in stores from Australia; in soil with carrots, parsnips, and potatoes in stores from Argentina; with celery in stores from the Union of South Africa; with horseradish in stores from Japan; in soil with onions in cargo from Italy; in soil with peanuts in mail from Barbados; in soil with miscellaneous plants in air baggage from Portugal; in soil with potatoes in stores from Poland; and with tulip bulbs in baggage from the Netherlands; at Key West, Fla., in soil with sansevieria plant in baggage from Cuba; at Miami, Fla., in soil with beadplant in baggage from France; in soil with garlic in stores from Israel and Italy; in soil with iris plants in air baggage from Cuba; in soil with mint plants in air baggage from Cuba; in soil with orchid plants in air baggage from Colombia; and in soil with unknown plants in air baggage from Jamaica and Panama; at New Orleans, La., in soil with an undetermined legume in air baggage from Jamaica; at Pensacola, Fla., in soil with carrots in stores from England; at San Diego, Calif., in gladiolus corm in baggage from Mexico; and at Tampa, Fla., in soil with beets in stores from Germany.

Ditylenchus sp. at Boston, Mass., in soil with cactus plants in baggage from Canada; in soil with carnation and primrose plants and tuberose bulbs in air baggage from England; in soil with oleander plants in air baggage from Ireland; in soil with onions in cargo from Italy; and in soil with unidentified plants in air baggage from Portugal; at Hoboken, N. J., in *Tigridia* sp. bulbs in mail from the Netherlands; at Key West, Fla., in soil from an automobile from Cuba; and at Miami, Fla., in soil with assorted plants in air baggage from Honduras.

Helicotylenchus sp. at Boston, Mass., in soil with hydrangea plants in air baggage from Iran; in soil with unknown plants in baggage from Brazil; at Laredo, Tex., in caladium and philodendron roots in baggage from Mexico; at Miami, Fla., in soil with assorted plants in air baggage from Costa Rica; and in soil with violet roots in air baggage from Costa Rica.

Heterodera sp., possibly *major*, at New York, N. Y., in soil with *Monarda didyma* plants in baggage from England.

Heterodera, new species, at Miami, Fla., in soil with beadplant in baggage from France.

Other members of the genus *Heterodera* were intercepted 360 times at 26 ports from the following countries: Argentina, Azores, Belgium, Brazil, Canada, Canary Islands, Denmark, Egypt, England, France, Germany, Greece, Hong Kong, Hungary, India, Iran, Ireland, Israel, Italy, Japan, Lebanon, Liberia, Malta, Mexico, Morocco, Netherlands, New Zealand, Norway, Philippines, Poland, Portugal, Scotland, Spain, Sweden, Switzerland, Union of Soviet Socialistic Republics, and Yugoslavia. These interceptions were made from soil samples; soil with new and used automobiles; soil with army vehicles; soil with potatoes in railway car; soil in sweeping from a railway car; soil with bulbs and tubers in baggage, cargo, and mail; soil with plant material in baggage and mail; and in soil with vegetables in cargo and stores.

Hoplolaimus sp. at Laredo, Tex., with roots of Indian rubbertree in cargo from Mexico; and at Boston, Mass., in soil with wallflowers in baggage from Ireland.

Meloidogyne sp., perhaps *javanica*, at Miami, Fla., in soil with assorted plants in air baggage from Honduras.

Meloidogyne sp. at Boston, Mass., with celery in stores from the Union of South Africa; and in soil with plants in air baggage from Greece; at Brownsville, Tex., in root gall on dracaena plant in baggage from Mexico; at Hoboken, N. J., in *Achimenes* spp. tubers in air cargo from the Netherlands; in *Aconitum napellus*, *Ajuga reptans atropurpurea*, and *Anaphalis triplinervis* roots in cargo from the Netherlands; in *Begonia rex* roots in air mail from England; in calla tubers in cargo from Italy; in *Ceanothus* sp. roots in cargo from the Netherlands; in *Caladium candidum* tubers in cargo from Guatemala; in clematis in cargo from the Netherlands; in *Columnea pilosissima* roots in mail from Scotland; in *Epimedium* sp. roots in cargo from England; in *Genista lydia* roots in air cargo from England; in geranium roots in mail from France; in gerbera roots in air cargo from India; in ginger roots in mail from Peru; in hepatica roots in mail from England; in Japanese iris roots in cargo from Japan; in *Kaempferia rotunda* tubers in mail from the Netherlands; in *Kaempferia* sp. tubers in cargo from India; in passion flower roots in mail from Bermuda; and in roots of roses in mail from France; at Laredo, Tex., in philodendron and spiraea roots in baggage from Mexico; at Miami, Fla., in acacia roots in air mail from Venezuela; in beadplant in baggage from France; and in soil with African violets in air baggage from Ecuador; and at New York, N. Y., in aster roots in quarters from Japan.

Nothotylenchus sp. at Boston, Mass., in soil with hydrangea plant in air baggage from Iran; and at Key West, Fla., in sample of soil from Cuba.

Paratylenchus sp. at Miami, Fla., in soil with celery in stores from Germany; and in soil with sansevieria plant in air baggage from Haiti.

Pratylenchus, new species, at Miami, Fla., in beadplant in baggage from France.

Pratylenchus sp. at Boston, Mass., in dahlia root in air baggage from Italy; in soil with dwarf pine in quarters from Japan; in soil with potatoes in stores from Argentina; at Brownsville, Tex., in soil with a begonia plant in air baggage from Nicaragua; at Hoboken, N. J., in *Helleborus niger maximus* roots in air cargo from the Netherlands; in Japanese iris roots in cargo from Japan; in roots of *Ranunculus acris* Double in mail from Germany; at Laredo, Tex., in begonia tubers in baggage from Mexico; at Miami, Fla., in garlic in stores from Italy; at New York, N. Y., in lily-of-the-valley pips in baggage from Italy; at San Francisco, Calif., in lily-of-the-valley pips in cargo from Denmark and Germany and in mail from Denmark; and at Washington, D. C., in a soil sample in mail from Colombia.

Psilenchus sp. at Boston, Mass., in soil with leek in stores from Egypt.

Rotylenchus, new species, at Key West, Fla., in soil with sansevieria plant in baggage from Cuba; and at Miami, Fla., in soil with celery in stores from France.

Rotylenchus sp. at Boston, Mass., in soil with carnation plants in air baggage from the Azores; in soil with lily-of-the-valley pips in air baggage from England; and in soil with violet plants in air baggage from Italy; at Miami, Fla., in soil with celery in stores from Germany; at New Orleans, La., in soil with legumes in air baggage from Jamaica; and at New York, N. Y., in soil with citrus tree and olive tree in baggage from Italy.

Tylenchorhynchus sp., possibly *clarus* Allen, at Boston, Mass., in soil with celery in stores from Egypt.

Tylenchorhynchus, new species, at Miami, Fla., in soil with roots of an unknown plant in air baggage from Jamaica.

Tylenchorhynchus sp. at Boston, Mass., in soil with carnation and primrose plants and tuberose bulbs in air baggage from England; in soil with carnation plant and in soil with onion sets in air baggage from Italy; at Miami, Fla., in soil with celery in stores from Germany; in soil with garlic in stores from Italy; and in soil with iris plant in air

baggage from Cuba; and at Tampa, Fla., in soil with unidentified bulbs in air baggage from Cuba.

Tylenchus, new species, at Miami, Fla., in soil with violet plants in air baggage from Costa Rica.

Tylenchus sp. at Boston, Mass., in soil on an automobile from England; in soil with azalea, fuchsia, ivy, and tradescantia plants in air baggage from Germany; in soil with carnation plants in air baggage from Italy; in soil with holly cuttings in air baggage from Ireland; and with oak timber in cargo from England; at Key West, Fla., in soil on an automobile from Cuba; and in soil with sansevieria plant in baggage from Cuba; at Miami, Fla., in soil with carrots in stores from Germany; in soil with caladium, lily, mint, and peperomia plants in air baggage from Panama; in soil with copperleaf plant in air baggage from Cuba; and in soil with sansevieria plant in air baggage from Haiti; at New Orleans, La., in soil with undetermined legume in baggage from Jamaica; at New York, N. Y., in soil with citrus and olive trees in baggage from Italy; and at Tampa, Fla., in soil with unidentified bulbs in air baggage from Cuba.

Xiphinema sp., near *index* Thorne & Allen, at Miami, Fla., in soil with carnation plant in air baggage from Cuba.

Xiphinema sp. at Miami, Fla., in soil with codieum plant in air baggage from Colombia.

Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease
	Number	*Number*
Africa:		
Africa	0	1
Algeria	3	0
Angola	1	0
Cape Verde Islands	2	0
Egypt	11	0
French Equatorial Africa	1	0
French West Africa	2	1
Liberia	1	1
Libya	1	0
Madeira Islands	3	0
Morocco	40	3
Mozambique	1	5
Nigeria	1	1
Sierra Leone	4	1
Tripoli	1	0
Union of South Africa	18	57
Asia:		
China	4	30
Formosa	16	1
Hong Kong	1	28
India	13	8
Indonesia	2	1
Iran	2	2
Iraq	1	0
Israel	6	2
Japan	132	150
Kuwait	1	0
Lebanon	3	0
Macao	0	2
Pakistan	2	1
Palestine	0	1
Straits Settlements	4	0
Syria	1	0
Thailand	2	5
Turkey	0	1
Australasia:		
Australia	7	30
Australia (?)	1	0
Guam	3	1
Hawaii	340	4
Kwajalein	0	2
Marquesas Islands	0	1
New Guinea	1	2
New Zealand	0	1
Norfolk Island	0	10
Philippines	14	3
Philippines (?)	1	0
Tahiti	3	1
Wake Island (?)	0	1
West Pacific	2	0
Europe:		
Austria	2	4
Azores	12	7
Belgium	24	8
Czechoslovakia	0	1
Denmark	4	3
England	51	63
England (?)	0	1
Europe (?)	1	0
Finland	1	0
France	46	17
Germany	43	37
Gibraltar	1	0
Greece	9	4
Ireland	9	14
Italy	201	31
Netherlands	46	38
Northern Ireland	1	1
Norway	4	4
Poland	1	0
Portugal	14	6
Scotland	21	28

Country	Insect	Disease
	Number	*Number*
Europe—Continued		
Spain	13	7
Sweden	13	3
Switzerland	3	42
Yugoslavia	6	0
North America:		
Bermuda	9	0
Canada	12	9
Canal Zone	42	5
Central America:		
British Honduras	12	5
Central America (country (?))	1	0
Costa Rica	21	19
Guatemala	32	9
Honduras	7	5
Nicaragua	19	0
Panama	24	3
Panama (?)	1	0
Salvador	30	7
Iceland	0	3
Mexico	581	229
West Indies:		
American Virgin Islands	1	0
Anguilla	2	0
Antigua	5	1
Bahamas	10	2
Barbados	1	0
Cuba	50	13
Curacao	2	0
Dominican Republic	22	6
Haiti	9	2
Jamaica	47	5
Jost Van Dyke	3	0
Martinique	0	1
Montserrat	1	0
Puerto Rico	29	12
St. Kitts	5	1
St. Lucia	1	0
St. Martin	1	0
St. Vincent	2	0
Tortola	11	0
Trinidad	11	0
South America:		
Argentina	5	26
Bolivia	0	1
Brazil	16	56
Brazil (?)	1	0
British Guiana	4	0
Chile	14	2
Colombia	10	2
Ecuador	26	24
Netherlands Guiana	1	1
Peru	3	3
South America (country (?))	1	0
Venezuela	9	0
Total:		
Africa	90	69
Asia	190	232
Australasia	372	56
Europe	526	319
North America	1,004	337
South America	90	115
Unknown	18	7
Total	2,290	1,135
Total incompletely determined pests	1,494	731
Total insect interceptions	3,784	
Total disease interceptions		1,866
Grand total		[1] 5,650

[1] This total represents only pests of known or potential plant-quarantine importance or certain organisms of scientific importance. The total of all interceptions made during the year was 15,058.

NOTE.—Interceptions were also made from Aruba, Belgian Congo, British West Indies, Burma, Cameroons, Canary Islands, Canton Island, Ceylon, Christmas Island, Fanning Island, Fiji Islands, French West Africa, French West Indies, Ghana, Greenland, Hungary, Indo-China, Java, Johnston Island, Kenya, Korea, Malta, Nepal, Nevis, New Caledonia, Okinawa, Rhodesia, Sumatra, and Union of Soviet Socialist Republics.

Pests collected and reported from July 1, 1956, through June 30, 1957

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Acanthoscelides armitagei (Pic) (Bruchidae):					
Cajanus sp.	Panama	1			N. Y.
Pisum sativum (pea)	do	2			Fla.
"Acanthoscelides" spinipes (Er.) (Bruchidae):					
Legume	Greece			1	N. J
Aceria macrochelus (Nal.) (Eriophyidae):					
Acer sp. (maple)	England		3		Mass.
Acidia heraclei (L.) (?) (Tephritidae):					
Apium graveolens (celery)	France		2		Va.
Acrolepia assectella (Zell.) (Hyponomeutidae):					
Allium porrum (leek)	France, Morocco, Spain.		3		Pa.
Adelphocoris seticornis (F.) (Miridae):					
Trifolium agrarium (hop clover)	Switzerland			1	D. C.
Adoretus sinicus Burm. (Scarabaeidae):					
Flowers	Hawaii	1			Hawaii.
Hibiscus sp.	do	1			Hawaii.
Phajus sp. (orchid)	do	1			Hawaii.
Adozophyes orana (F. R.) (Tortricidae):					
Syringa sp. (lilac)	Netherlands	15			N. Y.
Aganactesis indecora Dyar (Galleriidae):					
Cassia fistula (golden-shower)	Dominican Republic	1			P. R.
Aglossa cuprealis Hbn. (Pyralidae):					
Allium sativum (garlic)	Italy	1			N. Y.
Herbs and plants in soil	Portugal			1	N. Y.
Sanseviéria sp.	do	1			N. Y.
Agroiconota propinqua (Boh.) (Chrysomelidae):					
Ananas comosus (pineapple)	Dominican Republic			4	P. R.
Aleurocanthus woglumi Ashby (Aleyrodidae):					
Citrus aurantifolia (sour lime)	Mexico	2			Tex.
Citrus sp.	Mexico, Nicaragua	7			Tex.
Greens—decorative	Mexico	1			Fla.*
Plant—undetermined	do			1	Ariz.
Aleuroplatus mammaeferus Q. & B. (Aleyrodidae):					
Codiaeum sp. (croton)	Australia (?)	1			Hawaii.
Aleurothrixus floccosus (Mask.) (Aleyrodidae):					
Psidium guajava (guava)	Mexico	1			Tex.
Aleurotuberculatus aucubae (Kuw.) (Aleyrodidae):					
Citrus aurantium var.	Japan		1		Calif.*
Alpheias conspirata Hein. (Galleriidae):					
Ananas comosus (pineapple)	Mexico	3			Tex.
Anastrepha fraterculus (Wied.) (Tephritidae):					
Prunus persica (peach)	Peru	1			Fla.
Anastrepha ludens (Loew) (Tephritidae):					
Casimiroa edulis (white sapote)	Mexico	3			N. Y., Tex.
Citrus aurantifolia (sweet lime)	do	9			Tex.
Citrus limon ponderosa (ponderosa lemon)	do	1			Tex.
Citrus paradisi (grapefruit)	British Honduras, Mexico.	15	3		Fla.*, Tex.
Citrus reticulata (Mandarin orange)	Mexico	1			Tex.
Citrus sinensis (orange)	Guatemala, Mexico	128	8		Ariz., Calif., Calif.*, La., Tex.
Cydonia oblonga (quince)	Mexico	4			Tex.
Malus sylvestris (apple)	do	2			Tex.
Mangifera indica (mango)	Guatemala, Mexico	70	1		Ariz., Calif., Calif.*, La., Tex.
Prunus persica (peach)	Mexico	1			Tex.
Pyrus communis (pear)	do	9			Tex.
Anastrepha ludens (Loew) (?) (Tephritidae):					
Calocarpum sapota (mamey sapote)	do	1			Tex.
Mangifera indica (mango)	do	1			Tex.
Anastrepha mombinpraeoptans Sein (Tephritidae):					
Eugenia floribunda (guava berry)	Tortola	2			St. Croix, St. Thomas & St. John

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Mangifera indica (mango)	Antigua, British Honduras, Costa Rica, Cuba, Dominican Republic, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, St. Kitts, Salvador, Tortola, Trinidad, unknown.	121	6	----	Ala., Calif., Calif.*, Fla., Fla.*, Ga., La., N. Y., P. R., St. Croix, St. Thomas & St. John, Tex., Va.
Psidium guajava (guava)	Cuba, Guatemala, Mexico, Tortola.	8	----	----	Calif.*, Fla.*, St. Thomas & St. John, Tex.
Spondias mombin (yellow mombin)	Central America, Dominican Republic, Guatemala, Nicaragua, St. Martin, Salvador.	18	----	----	Calif.*, La., P. R. Tex.
Spondias purpurea (purple mombin)	Guatemala, Mexico, Nicaragua.	7	----	----	La., Tex.
Spondias sp. (mombin)	British Honduras, Guatemala, Salvador.	6	----	----	La., Tex.
Terminatia catappa (bitter-almond)	Dominican Republic	----	1	----	Pa.
Anastrepha mombinpraeoptans Sein (?) (Tephritidae): *Mangifera indica* (mango)	Ecuador, Venezuela	1	1	----	La., Pa.
Anastrepha serpentina (Wied.) (Tephritidae): *Achras zapota* (sapodilla)	Nicaragua	1	----	----	Calif.*
Calocarpum sapota (mamey sapote)	Colombia, Mexico, Nicaragua.	4	2	----	Calif.*, La., Tex.
Mammea americana (mamey)	Mexico	1	----	----	Calif.*
Anastrepha striata Schin. (Tephritidae): *Psidium guajava* (guava)	Guatemala, Mexico, Puerto Rico, Salvador.	5	----	----	Ariz., Ill., La., Tex.
Anastrepha suspensa (Loew) (Tephritidae): *Psidium guajava* (guava)	Jamaica, Puerto Rico	8	----	----	N. Y., P. R.
Ancylostomia stercorea (Zell.) (Phycitidae): *Cajanus cajan* (pigeonpea)	Bahamas, Dominican Republic, Haiti, Jamaica, Jost Van Dyke, Panama, St. Kitts, Tortola, Trinidad.	18	1	----	Fla.*, N. Y., P. R., St. Thomas & St. John.
Pisum sativum (pea)	Jamaica, Panama, Puerto Rico.	4	----	----	Fla.*, Ill.
Antispila rivillei (Stt.) (?) (Heliozelidae): *Vitis* sp. (grape)	Italy	1	----	----	Mass.
Anuraphis cardui (L.) (Aphidae): *Chrysanthemum* sp.	England	----	----	1	N. J.
Cynara scolymus (globe artichoke)	Algeria	----	1	----	La.
Anuraphis tulipae (Fonsc.) (Aphidae): *Apium graveolens* (celery)	Egypt	----	1	----	Pa.
Iris subbiflora (Portugal iris)	Portugal	----	----	1	D. C.
Iris sp.	England	----	----	2	N. J.
Tigridia lutea immaculata	Netherlands	----	----	1	N. J.
Tulipa sp. (tulip)	do	----	1	1	Tex.
Araecerus levipennis Jord. (Anthribidae): *Leucaena glauca*	Hawaii	11	----	----	Hawaii.
Arctorthezia cataphracta (Olaf.) (Coccidae): *Erica* sp. (heath)	Scotland	1	----	----	Mass.
Forest litter	do	----	----	1	Wash.
Ardis sulcata (Cam.) (Tenthredinidae): *Rosa* sp. (rose)	Germany	----	1	----	Pa.
Arge ochropa Gmel. (Argidae): *Rosa* sp. (rose)	do	1	----	----	Ill.

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[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Argina cribraria (Clerck) (Arctiidae):					
Passenger's quarters	Unknown		1		Hawaii.
Argyresthia conjugella (Zell.) (Hyponomeutidae):					
Malus sylvestris (apple)	Norway	1			N. Y.
Sorbus aucuparia (European mountain ash)	do	1			N. Y.
Arion circumscriptus Johnston (Mollusca):					
Bulb	Austria			1	N. Y.
Lactuca sativa (lettuce)	Unknown		1		N. Y.
Artipus grisescens Chevr. (Curculionidae):					
Orchid	Jamaica	1			Fla.*
Aspidiotus australiensis Kuw. (Coccidae):					
Dendrobium undulatum (orchid)	Australia			1	Hawaii.
Dendrobium sp.	do			2	Hawaii.
Aspidiotus degeneratus (Leon) (Coccidae):					
Camellia sasanqua (sasanqua tea)	Japan			1	D. C.
Aspidiotus destructor Sign. (Coccidae):					
Cocos nucifera (coconut)	Cuba, Mexico, Philippines.	4	1		Calif.*, Fla.*, Tex.
Nipa fruticans (Nipa palm)	Tahiti			1	Hawaii.
Persea americana (avocado)	Cuba, Mexico	1	1		Fla.*, Calif.*
Prunus amygdalus (almond)	Bahamas	1			Fla.*
Aspidiotus diffinis Newst. (Coccidae):					
Amherstia nobilis (flame amherstia)	Jamaica			1	D. C.
Asterobemisia carpini (Koch) (Aleyrodidae):					
Rubus sp.	France		7		Ill., Mass.
Asterolecanium epidendri (Bouche) (Coccidae):					
Epidendrum sp. (orchid)	Brazil, Mexico	1		1	Calif.*
Orchid	Jamaica			1	Fla.
Asterolecanium miliaris robustum Green (Coccidae):					
Bamboo	Antigua	1			Mass.
Asterolecanium petrophilae (Fuller) (Coccidae):					
Conospermum triplinervium (smokebush)	Australia			1	Fla.*
Aufeius impressicollis Stal (Coreidae):					
Cactus	Mexico			1	Tex.
Aulacaspis mangiferae (Newst.) (Coccidae):					
Mangifera indica (mango)	Panama	1			Fla.*
Bephrata maculicollis Cam. (Eurytomidae):					
Annona muricata (soursop)	Venezuela	1			P. R.
Blastophagus piniperda (L.) (Scolytidae):					
Abies sp. (fir)	England	1			S. C.
Pinus sp. (pine)	do	1			N. Y.
Blissus leucopterus (Say) (Lygaeidae):					
Solanum melongena (eggplant)	Mexico	3			Ariz.
Blissus leucopterus insularis Barber (Lygaeidae):					
Ananas comosus (pineapple)	Dominican Republic			1	P. R.
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Bouhelia maroccana Bal. (Coccidae):					
Muscari comosum (cipollino)	Morocco	3			N. Y.
Brachycerus albidentatus Gyll. (Curculionidae):					
Allium sativum (garlic)	Italy	1	1		Mass., Tex.
Brachycerus algirus (F.) (Curculionidae):					
Allium sativum (garlic)	Italy, Spain	2	1		Mass., N. Y., Tex.
Brachyrhinus ovatus (L.) (Curculionidae):					
Soil with mixed plants	Canada	1			N. Y.
Bradybaena similaris (Fer.) (Mollusca):					
Alpinia purpurata	Hawaii	1			Hawaii.
Anthurium sp.	do	4			Hawaii.
Colocasia sp.	do	1			Hawaii.
Cordyline terminalis (ti)	do	7			Hawaii.
Dieffenbachia sp.	do	1			Hawaii.
Lilium sp. (lily)	Bermuda	1			N. Y.
Operculina tuberosa (wood-rose)	Hawaii	1			Hawaii.
Strelitzia reginae (bird-of-paradise-flower)	do	1			Hawaii.
Vanda joaquimiae (orchid)	do	3			Hawaii.

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		Consumption	Non-entry	Propagation	
Bradybaena similaris (Fer.) (Mollusca):—Con.					
Vanda sp.	do	78			Hawaii.
Vanda sp., *Anthurium* sp., & *Dracaena* sp.	do	18			Hawaii.
Brevipalpus inornatus (Baks) (Tenuipalpidae):					
Camellia sinensis (tea)	Japan			2	D. C.
Myoporum laetum	Italy			1	D. C.
Rhododendron sp.	Japan			1	D. C.
Brevipalpus oncidii Baker (Tenuipalpidae):					
Oncidium phalaenopsis (orchid)	Ecuador			1	Fla.
Brevipalpus phoenicis (Geijskes) (Tenuipalpidae):					
Ananas comosus (pineapple)	Dominican Republic			1	P. R.
Brithys pancratii (Cyr.) (Noctuidae):					
Hymenocallis sp.	France			1	D. C.
Bruchophagus coluteae (Boucek) (Eurytomidae):					
Colutea arborescens	Italy			1	N. J.
Bruchophagus ononis (Mayr) (?) (Eurytomidae):					
Ononis pubescens	Israel			1	D. C.
Bruchus ervi Froh. (Bruchidae):					
Lens culinaris (lentil)	Lebanon	1			N. Y.
Bruchus lentis Froh. (Bruchidae):					
Lens culinaris (lentil)	Egypt		1		N. Y.
Bruchus luteicornis Ill. (Bruchidae):					
Vicia sativa (vetch)	France, Portugal	2			Ala., Mass.
Bruchus signaticornis Gyll. (Bruchidae):					
Lens culinaris (lentil)	Italy	1			N. Y.
Bruchus tristis Boh. (Bruchidae):					
Vicia faba (broadbean)	do	1			N. Y.
Bryobia cristata (Duges) (Tetranychidae):					
Rosa sp. (rose)	Japan	1			Hawaii.
Bryobia sarothamni Geijskes (Tetranychidae):					
Cytisus multiflorus (white Spanish broom)	Portugal			1	D. C.
Cactophagus validirostris (Gyll.) (Curculionidae):					
Monstera deliciosa	Mexico			1	Tex.
Calligrapha diversa Stal (Chrysomelidae):					
Orchid	do			1	Tex.
Tillandsia sp.	do			1	Tex.
Callosobruchus phaseoli (Gyll.) (Bruchidae):					
Bean	Japan	1			Hawaii.
Cajanus cajan (pigeonpea)	Trinidad	1			N. Y.
Phaseolus aureus (mung bean)	Japan		1		N. Y.
Capaneus tetricus Stal (Coreidae):					
Orchid	Mexico			1	Tex.
Carbula litigatrix Kirk. (Pentatomidae):					
Vitis sp. (grape)	Union of South Africa	1			N. Y.
Carposina sasakii Mats. (Carposinidae):					
Malus sylvestris (apple)	Japan	1	5		Hawaii., Oreg., Wash.
Caryedon fuscus (Goeze) (Bruchidae):					
Cassia nodosa	Hawaii	3		1	Hawaii.
Tamarindus indica (tamarind)	Philippines, St. Thomas.	2			Hawaii, P. R.
Caryedon fuscus Goeze (?) (Bruchidae):					
Arachis hypogaea (peanut)	Cape Verde Islands	1			Mass.
Tamarindus indica (tamarind)	do	1			Mass.
Caulophilus latinasus (Say) (Curculionidae):					
Chamaedorea sp.	Mexico	1			Tex.
Orbignya cohune (palm)	do			1	Tex.
Cephaloleia atriceps Pic (Chrysomelidae):					
Orchid	do			2	Tex.
Ceratitis capitata (Wied.) (Tephritidae):					
Annona cherimola (cherimoya)	South America	1			Fla.*
Citrus limon (lemon)	Italy		1		Pa.
Citrus paradisi (grapefruit)	Argentina, Bermuda, Israel, Italy.	1	3		Mass., N. Y., Pa., Tex.
Citrus reticulata (Mandarin orange)	Algeria, Italy, Spain	1	3		Md., N. Y.

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		Consumption	Non-entry	Propagation	
Ceratitis capitata (Wied.) (Tephritidae):—Con.					
Citrus sinensis (orange)	Azores, Brazil, Egypt, France, Iraq, Italy, unknown.	1	7		Mass., N. Y., Pa., S. C., Tex.
Coffea sp. (coffee)	Hawaii	7			Calif.*, Hawaii.
Crataegus sp.	Italy	1			N. Y.
Diospyros sp. (persimmon)	do	1			N. Y.
Eriobotrya japonica (loquat)	do	1			N. Y.
Ficus carica (fig)	do	1			N. Y.
Opuntia humifusa (pricklypear)	Greece, Italy	5			N. Y.
Persea americana (avocado)	Hawaii	1			Hawaii
Prunus armeniaca (apricot)	France		3		Mass.
Prunus domestica (plum)	Germany, Italy	2			N. Y.
Prunus persica (peach)	Argentina, Azores, Italy, Union of South Africa.	3	2		N. Y., Tex.
Prunus sp. (cherry)	Italy	1			N. Y.
Pyrus communis (pear)	Italy, unknown	4	1		Mass., N. Y.
Vitis sp. (grape)	Union of South Africa	1			N. Y.
Ceratitis capitata (Wied.) (?) (Tephritidae):					
Citrus sinensis (orange)	Brazil, Gibraltar, Israel(?), Madeira Islands.	1	4		La., Md., Mass., Tex.
Coffea arabica (Arabian coffee)	Hawaii	1			Hawaii.
Coffea sp. (coffee)	do	3			Hawaii.
Psidium guajava (guava)	Azores	1			Mass.
Punica granatum (pomegranate)	Italy	1			N. Y.
Cerconota anonella (Sepp) (Stenomidae):					
Annona muricata (soursop)	Honduras, Panama	2			Fla.*, La.
Annona squamosa (sweet-sop)	Panama	1			Fla.*
Ceroplastes rubens Mask. (Coccidae):					
Alyxia olivaeformis (maile)	Hawaii	10			Hawaii.
Anthurium sp.	do	2		1	Hawaii.
Dieffenbachia sp.	do			1	Hawaii.
Gardenia sp.	Japan			1	Calif.*
Ceroplastes rusci (L.) (Coccidae):					
Ficus carica (fig.)	Italy	1			Mass.
Ceutorhynchus erysimi (F.) (Curculionidae):					
Raphanus sativus (radish)	Algeria		1		Tex.
Ceutorhynchus pleurostigma Marsh. (Curculionidae):					
Brassica napobrassica (rutabaga)	Belgium		1		Tex.
Chaetococcus bambusae (Mask.) (Coccidae):					
Bamboo	China	1			Hawaii.
Chalcodermus aeneus Boh. (Curculionidae):					
Cajanus cajan (pigeonpea)	Bahamas, Canal Zone, Jost Van Dyke.	3			Fla.*, Ill., St. Thomas & St. John.
Chalepus omoger Cr. (Chrysomelidae):					
Orchid	Mexico			1	Tex.
Chelymorpha varians Blanch. (Chrysomelidae):					
Vitis sp. (grape)	Chile	1			N. Y.
Chelysoma variabilis (H.-S.) (Pentatomidae):					
In baggage	Costa Rica	1			Tex.
Chilo loftini Dyar (Crambidae):					
Saccharum officinarum (sugarcane)	Mexico	16			Ariz., Calif.*
Zea mays (corn)	do	6			Ariz.
Chilo suppressalis (Wlk.) (Crambidae):					
Oryza sativa (rice)	Japan, Spain	2	5		Calif.*, Mass., N. Y.
Chrysomphalus bifasciculatus Ferris (Coccidae):					
Citrus reticulata (Mandarin orange)	Japan		2		Calif.*
Citrus sinensis (orange)	do		1		Calif.*

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Chrysomphalus bifasciculatus Ferris (Coccidae): —Continued					
Osmanthus sp.	do			1	D. C.
Palm	do		2		Calif.*, Pa.
Chrysomphalus nigropunctatus (Ckll.) (Coccidae):					
Sedum oxypetalum	Mexico			1	Tex.
Chrysomphalus personatus (Comst.) (Coccidae):					
Citrus limon (lemon)	Brazil		1		Calif.*
Citrus sinensis (orange)	do		2		Calif.*, Fla.
Chrysomphalus sphaerioides (Ckll.) (Coccidae):					
Chamaedorea sp.	Mexico			2	Tex.
Philodendron sp.	do			1	Tex.
Cladius isomerus Nort. (Tenthredinidae):					
Rosa sp. (rose)	Canada			1	Wash.
Cladius pectinicornis (Fourc.) (Tenthredinidae):					
Rosa sp. (rose)	Denmark	1			Calif.*
Cletus caffer Stal (Coreidae):					
Vitis sp. (grape)	Union of South Africa	2			N. Y.
Cletus ochraceus (H.-S.) (Coreidae):					
Vitis sp. (grape)	do	2			N. Y.
Cligenes delineata (Dist.) (Lygaeidae):					
Orchid	Mexico			1	Tex.
Coccotrypes carpophagus (Horng.) (Scolytidae):					
Chrysalidocarpus lutescens	Hawaii			1	Hawaii.
Coccus acutissimus (Green) (Coccidae):					
Litchi chinensis (lychee)	do			1	Hawaii.
Coccus viridis (Green) (Coccidae):					
Alpinia purpurata	Hawaii	1			Hawaii.
Citrus aurantifolia (lime)	Philippines		1		Hawaii.
Gardenia augusta (gardenia)	Cuba, Hawaii	12		1	Fla.*,
Herbaceous leaf	Cuba	1			Fla.*
Leaf—unknown	Colombia			1	Fla.*
Plumeria sp.	Hawaii	1		1	Calif.*, Hawaii.
Coelonertus nigrirostris Solari (Curculionidae):					
Chamaedorea sp.	Mexico	1			Tex.
Conoderus rufangulus (Gyll.) (Elateridae):					
Vitis sp. (grape)	Chile	1			N. Y.
Conotelus mexicanus Murr. (Nitidulidae):					
Plumeria sp.	Hawaii	2			Hawaii.
Vanda joaquimiae (orchid)	do	1			Hawaii.
Vanda sp.	do	2			Hawaii.
Conotrachelus aguacatae Barber (Curculionidae):					
Persea americana (avocado)	Mexico	25			Tex.
Coptotermes formosanus Shiraki (Rhinotermitidae):					
Gossypium sp. (cotton)	Japan	1			Hawaii.
Cosmopolites sordidus Germ.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Mexico			1	Tex.
Cossus cossus (L.) (Cossidae):					
Wood	England			1	N. Y.
Crambus ligonellus Zell. (Crambidae):					
Airplane	Puerto Rico		1		P. R.
Cryphula apicalis (Dist.) (Lygaeidae):					
Bromeliad	Mexico			1	Tex.
Cryphula fasciatus (Dist.) (Lygaeidae):					
Epidendrum stenopetalum (orchid)	Canal Zone			1	Hawaii.
Cryptoblabes gnidiella (Mill.) (Phycitidae):					
Punica granatum (pomegranate)	Israel, Italy, Libya	6			N. Y., Pa.
Cryptophlebia illepida (Btlr.) (Olethreutidae):					
Macadamia sp.	Hawaii	1			Hawaii.
Cryptotermes brevis (Wlk.) (Kalotermitidae):					
Wood	Cuba	1			N. Y.
Cryptotermes cavifrons Banks (Kalotermitidae):					
Wood	do	1			N. Y.
Curculio elephas (Gyll.) (Curculionidae):					
Castanea sativa (European chestnut)	Italy	1			N. Y.

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Curculio elephas (Gyll.) (Curculionidae):—Con.					
Castanea sp. (chestnut)	Azores, England, France, Italy, Portugal, Spain.	43	----	1	Fla.*, Ill., Mass., Mich., N. J., N. Y.
Quercus sp. (oak)	Greece, Spain	1	----	1	N. Y.
Curculio nucum L. (Curculionidae):					
Corylus sp. (hazelnut)	Italy	1	----	----	Ill.
Curculio q-griseae Chttn. (Curculionidae):					
Quercus sp. (oak)	Mexico	1	----	----	Tex.
Cylas formicarius (F.) ssp. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Philippines, Thailand	2	----	----	Hawaii.
Cylas formicarius F. var. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Philippines	1	----	----	Calif.*
Cylas formicarius elegantulus (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Anguilla, Bahamas, Cuba, Dominican Republic, Haiti, Mexico, Puerto Rico.	11	7	----	Fla.*, La., Md., Mass., N. Y., Pa., P. R., St. Croix, Tex.
Cylas formicarius formicarius (F.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	China	1	----	----	Hawaii.
Cylas puncticollis Boh. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Sierra Leone	----	3	----	Pa., Va.
Dacus ciliatus Loew (?) (Tephritidae):					
Cucurbita maxima (squash)	French West Africa	----	1	----	Pa.
Dacus cucurbitae Coq. (Tephritidae):					
Capsicum frutescens grossum (bell pepper)	Hawaii	----	1	----	Calif.*
Lycopersicon esculentum (tomato)	do	----	10	----	Calif.*, Wash.
Dacus cucurbitae Coq. (?) (Tephritidae):					
Cucumis sativus (cucumber)	do	----	4	----	Calif.*
Dacus dorsalis Hend. (Tephritidae):					
Actinophloeus macarthuri (palm)	do	1	----	----	Hawaii.
Airplane	Guam	----	1	----	Hawaii.
Coffea sp. (coffee)	Hawaii	5	----	----	Hawaii.
Eugenia malaccensis (Malay-apple)	do	2	----	----	Calif.*, Hawaii.
Mangifera indica (mango)	do	1	----	----	Calif.* Hawaii.
In parcel containing orchid and anthurium flowers	do	1	----	----	Hawaii.
Psidium guajava (guava)	do	1	----	----	Hawaii.
Dacus dorsalis Hend. (?) (Tephritidae):					
Calophyllum inophyllum	do	1	----	----	Hawaii.
Coffea arabica (Arabian coffee)	do	2	----	----	Hawaii.
Coffea sp. (coffee)	do	1	----	----	Hawaii.
Ficus sp. (fig)	do	1	----	----	Hawaii.
Dacus oleae Gmel. (Tephritidae):					
Olea europaea (olive)	Greece, Italy, Lebanon	11	2	----	Mass., Mich., N. Y., Va.
Dendrobiella aspera (LeC.) (Bostrichidae):					
On box of tomatoes	Mexico	1	----	----	Ariz.
Prosopis sp. (mesquite)	do	1	----	----	Calif.
Deroceras reticulatum (Muller) (Mollusca):					
Allium porrum (leek)	Denmark	----	1	----	Pa.
Apium graveolens (celery)	Belgium, Netherlands	----	2	----	Pa.
Brassica oleracea botrytis (cauliflower)	Germany, Italy, Netherlands.	----	4	----	Pa.
Brassica oleracea bullata (savoy cabbage)	England	----	2	----	Pa.
Brassica oleracea capitata (cabbage)	Brazil, Netherlands	1	2	----	N. Y., Pa., Tex.
Catasetum sp. (orchid)	Costa Rica	----	----	1	Fla.
Cichorium intybus (escarole)	France	----	1	----	N. Y.
Cordyline terminalis (ti)	Hawaii	3	----	----	Hawaii.
Cucumis sativus (cucumber)	France	----	1	----	P. R.

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Deroceras reticulatum (Muller) (Mollusca):—Continued					
Daucus carota (carrot)	do		1		St. Thomas & St. John
Epidendrum ciliare (orchid)	Guatemala			1	Fla.
Flowers	England	1			Mass.
Fragaria sp. (strawberry)	Canada			1	Wash.
Lactuca sativa (lettuce)	Belgium, Brazil, England, France, Netherlands.		6		Mass., N. Y., Pa., Tex.
Lactuca sativa longifolia (romaine lettuce)	Portugal		1		Mass.
Lilium candidum (Madonna lily)	France			1	N. Y.
Lycaste sp. (orchid)	Mexico			1	Fla.
Orchid	Canal Zone, Costa Rica, Guatemala, Mexico.			5	Fla., Hawaii.
Philodendron sp.	Mexico			1	Tex.
Rhododendron sp.	Austria			1	N. Y.
Rosa sp. (rose)	Germany, Ireland			2	N. J., N. Y.
Soil with azaleas	Japan			1	Hawaii.
Soil with lily bulbs	Canada			1	Wash.
Succulent	Bermuda	1			N. Y.
Vanda sp. (orchid)	Hawaii	3			Hawaii.
Dialeurodes chittendeni Laing (Aleyrodidae):					
Rhododendron catawbiense	Germany			1	N. J.
Rhododendron sp.	Netherlands			2	N. J.
Dialeurodes citri (Ashm.) (Aleyrodidae):					
Citrus sinensis (orange)	Japan, Mexico	1	2		Calif.*, Tex.
Forsythia suspensa (weeping forsythia)	Japan			1	Hawaii.
Gardenia augusta (gardenia)	do			1	Calif.*
Dialeurodes kirkaldyi (Kot.) (Aleyrodidae):					
Gardenia augusta (gardenia)	Tahiti			1	Fla.
Jasminum sp.	Hawaii	1			Hawaii.
Diaphania indica (Saund.) (Pyraustidae):					
Airplane	Guam		1		Hawaii.
Dichocrocis punctiferalis (Guen.) (Pyraustidae):					
Pinus pentaphylla	Japan			1	D. C.
Dinoderus bifoveolatus (Woll.) (Bostrichidae):					
Lonchocarpus sp. (cube root)	Peru	1			N. Y.
Diocalandra taitensis (Guer.) (Curculionidae):					
Cocos nucifera (coconut)	Hawaii	1			Hawaii.
Diorymerellus laevimargo Champ. (Curculionidae):					
Orchid	Mexico			2	Tex.
Dryocoetes villosus (F.) (Scolytidae):					
Quercus sp. (oak)	England	1			Mass.
Dysdercus mimus (Say) (Pyrrhocoridae):					
Citrus aurantifolia (lime)	Mexico	1			Tex.
Dyspessa ulula (Bkh.) (Cossidae):					
Allium sativum (garlic)	Italy, Spain	28			Ariz., La. Md., N. Y., P. R., Tex.
Ectomyelois ceratoniae (Zell.) (Phycitidae):					
Cydonia oblonga (quince)	Italy	1			Italy
Delonix regia (royal poinciana)	Hawaii	1			Hawaii.
Juglans regia (English walnut)	Italy	1			N. Y.
Malus sylvestris (apple)	Greece	1			N. Y.
Prunus persica (peach)	Italy		1		N. Y.
Punica granatum (pomegranate)	Greece	1			N. Y.
Tamarindus indica (tamarind)	Philippines	1			Hawaii.
Ectomyelois ceratoniae (Zell.) (?) (Phycitidae):					
Ceratonia siliqua (carob)	Italy	1			N. Y.
Prunus amygdalus (almond)	do	1			N. Y.
Ectomyelois muriscis (Dyar) (Phycitidae):					
Enterolobium sp.	Jamaica, Mexico	1		1	D. C., La.
Endelomyia aethiops (F.) (Tenthredinidae):					
Rosa sp. (rose)	Canada			1	Wash.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
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Epicaerus cognatus Sharp (Curculionidae):					
Solanum tuberosum (potato)	Mexico		2		Ala., Pa.
Epichorista ionephela Meyr. (Tortricidae):					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	4			N. Y.
Epichorista ionephela Meyr. (?) (Tortricidae):					
Ornithogalum sp.	do	1			N. J.
Epilachna mexicana (Guer.) (Coccinellidae):					
Orchid	Mexico			1	Ariz.
Epilachna paenulata (Germ.) (Coccinellidae):					
Musa paradisiaca sapientum (banana)	Ecuador	4			La., Pa.
Epilachna paenulata (Germ.) var. (Coccinellidae):					
Musa paradisiaca sapientum (banana)	do	1			La.
Epinotia aporema (Wlsm.) (Olethreutidae):					
Capsicum frutescens grossum (bell pepper)	Mexico	1			Ariz.
Phaseolus vulgaris var. (string bean)	Argentina, Mexico	7			P. R., Tex.
Ereunetis flavistriata Wlsm. (Tineidae):					
Cocos nucifera (coconut)	Hawaii	5			Hawaii.
Eriophyes canestrinii (Nal.) (Eriophyidae):					
Buxus sempervirens aureo-nariegata	England			1	N. J.
Buxus sempervirens prostrata	do			1	N. J.
Buxus sp.	do		1		Mass.
Ernobius mollis (L.) (Anobiidae):					
Bark	Sweden	1			N. Y.
Pinus sp.	Denmark, France, Germany, Sweden.	5			N. Y., S. C.
Eucalymnatus tessellatus (Sign.) (Coccidae):					
Leaf	Cuba	1			Fla.*
Euetheola bidentata (Burm.) (Scarabaeidae):					
Ananas comosus (pineapple)	Mexico	4			Tex.
Eulia auraria Clarke (?) (Tortricidae):					
Prunus persica (peach)	Chile	1			N. Y.
Prunus persica nectarina (nectarine)	do	1			N. Y.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Epidendrum sp. (orchid)	Mexico			1	Tex.
Euscepes postfasciatus (Fairm.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Antigua, Brazil, Jamaica, Tortola.	2	3		St. Thomas & St. John, Tex.
Euxoa lutescens (Blanch.) (Noctuidae):					
Prunus persica nectarina (nectarine)	Chile	1			N. Y.
Euzophera bigella Zell. (?) (Phycitidae):					
Cydonia oblonga (quince)	Italy	1			N. Y.
Everes comyntas (Godt.) (Lycaenidae):					
Phaseolus vulgaris var. (string bean)	Mexico	1			Tex.
Evergestis rimosalis (Guen.) (Pyraustidae):					
Brassica oleracea botrytis (cauliflower)	do		1		Tex.
Exptochiomera albomaculata (Dist.) (Lygaeidae):					
Orchid	do			3	Tex.
Tillandsia sp.	do			1	Tex.
Exptochiomera confusa Barber (Lygaeidae):					
Citrus sinensis (orange)	do			1	Tex.
Philodendron sp.	do			1	Tex.
Exptochiomera oblonga Stal (Lygaeidae):					
Orchid	Guatemala			1	Calif.*
Farinococcus guatemalensis Ferris (Coccidae):					
Cattleya sp. (orchid)	do			1	Tex.
Ferrisia virgata (Ckll.) (Coccidae):					
Euphorbia pulcherrima (poinsettia)	Philippines	1			Hawaii.
Nerium oleander (oleander)	India		1		Pa.
Orchid	Canal Zone, Ecuador			2	Fla.
Spathoglottis sp. (orchid)	Straits Settlements			2	Hawaii.
Fiorinia nephelii Mask. (Coccidae):					
Litchi chinensis (lychee)	Hawaii			1	Hawaii.
Frankliniella bispinosa (Morg.) (Thripidae):					
Chrysanthemum and daisy	Haiti		1		Fla.*
Flowers—assorted	Bermuda	1			Mass.

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Frankliniella formosae Mlt. (Thripidae):					
Chrysanthemum sp.	Japan	1			Hawaii.
Flowers—assorted	Formosa		1		Oreg.
Gladiolus sp.	Japan	1			Hawaii.
Frankliniella intonsa (Tryb.) (Thripidae):					
Aster sp.	Germany	3			Ill.
Lathyrus odoratus (sweetpea)	England	1			Ill.
Lavandula sp. (lavender)	do	1			Mass.
Rosa sp. (rose)	England, Germany	2	1		Ill., Mass.
Frankliniella occidentalis (Perg.) (Thripidae):					
Gladiolus sp.	Mexico	1			Tex.
Zantedeschia aethiopica (calla lily)	do	1			Tex.
Fundella pellucens (Zell.) (Phycitidae):					
Cassia fistula (golden shower)	Cuba	1			Fla.*
Pisum sativum (black-eyed pea)	Jost Van Dyke	1			St. Thomas & St. John
Vigna unguiculata	St. Kitts	1			St. Thomas & St. John
Furcaspis biformis (Ckll.) (Coccidae):					
Brassavola nodosa (orchid)	Canal Zone			1	Fla.
Brassavola sp.	Canal Zone, Jamaica			2	Fla.
Bromeliad	Ecuador			1	Fla.
Cattleya sp. (orchid)	Hawaii			3	Hawaii.
Epidendrum atropurpureum (orchid)	Canal Zone			2	Calif.*, Fla.
Epidendrum sp.	Canal Zone, Cuba			7	Fla., N. J.
Oncidium sphacelatum (orchid)	Straits Settlements			1	Calif.*
Oncidium sp.	Trinidad			1	N. J.
Orchid	Canal Zone, Colombia, Jamaica, Panama.			13	Fla.
Tillandsia sp.	Ecuador			2	Fla.
Galgupha punctifer McA. & Mall. (Pentatomidae):					
Bromeliad	Mexico			2	Tex.
Orchid	do			1	Tex.
Unknown—in box	Honduras	1			Hawaii.
Galgupha texana McA. & Mall. (Pentatomidae):					
Tillandsia sp.	Mexico			1	Tex.
Gelechia ericetella (Hbn.) (Gelechiidae):					
Calluna vulgaris (heather)	Scotland	1			Mass.
Glycyphagus domesticus (Deg.) (Glycyphagidae):					
Allium porrum (leek)	Australia		1		Mass.
Citrus grandis	Formosa		1		Pa.
Soil with privet plants	Azores			1	Mass.
Solanum andigenum	Colombia			1	D. C.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum frutescens (pepper)	Mexico	6			Ariz., Tex.
Gnorimoschema ocellatella (Boyd) (Gelechiidae):					
Beta vulgaris (beet)	Egypt, France, Israel		8		Pa., Tex.
Gracilaria azaleella Brants (Gracilariidae):					
Rhododendron sp.	Netherlands			1	N. J.
Grapholitha molesta (Busck) (Olethreutidae):					
Prunus persica (peach)	Japan		1		Hawaii.
Gynaikothrips ficorum (Marchal) (Phlaeothripidae):					
Arctostaphylos uva-ursi (bearberry)	Cuba		1		N. Y.
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Lilium sp. (lily)	Bermuda		1		N. Y.
Heilipus lauri Boh. (Curculionidae):					
Persea americana (avocado)	Mexico			1	Tex.
Heliothis subflexa (Guen.) (Noctuidae):					
Physalis sp. (husk tomato)	do	1			Tex.
Helix aperta Born (Mollusca):					
Lactuca sativa (lettuce)	France		1		Va.
Helix aspersa (Muller) (Mollusca):					
Cattleya sp. (orchid)	Costa Rica			1	Fla.
Liliaceae and Aizoaceae (?) plants	Azores			1	S. C.
Hellula undalis (F.) (Pyraustidae):					
Brassica rapa (turnip)	Egypt		1		Pa.
Raphanus sativus (radish)	Philippines		1		Hawaii.

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Helophorus rugosus (Oliv.) (Hydrophilidae):					
Brassica rapa (turnip)	England	----	1	----	Pa.
Hemimene juliana (Curt.) (Olethreutidae):					
Castanea sp. (chestnut)	Europe(?), Italy	2	1	----	La., N. Y.
Heterobostrychus aequalis (Waterh.) (Bostrichidae):					
Wood	India	2	----	----	Ala., N. Y.
Heterobostrychus brunneus (Murray) (Bostrichidae):					
Trash on crate	Sierra Leone (?)	1	----	----	Va.
Heterotermes aureus (Snyder) (Rhinotermitidae):					
Pachyrhizus sp. (yambean)	Mexico	1	----	----	Ariz.
Homoeosoma electellum (Hlst.) (Phycitidae):					
Chrysanthemum sp.	do	2	----	----	Tex.
Hyalopeplus pellucidus (Stal) (Miridae):					
Phaeomeria speciosa	Hawaii	1	----	----	Hawaii.
Hylurgops palliatus (Gyll.) (Scolytidae):					
Bark on packing case	Germany, Sweden	4	----	----	N. Y.
Pinus sp. (pine)	Sweden	1	----	----	N. Y.
Hypera nigrirostris (F.) (Curculionidae):					
Trifolium pratense (red clover)	Switzerland	----	----	1	D. C.
Ips calligraphus (Germ.) (Scolytidae):					
Log	Bahamas	1	----	----	Fla.*
Iridomyrmex humilis Mayr (Formicidae):					
Annona sp.	Madeira Islands	1	----	----	Mass.
Ficus carica (fig)	Italy	1	----	----	Mass.
Passiflora sp. (passion flower)	Bermuda	1	----	----	N. Y.
Vitis vinifera (European grape)	Union of South Africa	1	----	----	N. Y.
Vitis sp. (grape)	do	1	----	----	N. Y.
Iridomyrmex iniquus Mayr (Formicidae):					
Orchid	Guatemala	----	----	1	Tex.
Trash	Costa Rica	----	1	----	Hawaii.
Ischnodemus diplopterus (Dist.) (Lygaeidae):					
Prunus armeniaca (apricot)	Union of South Africa	1	----	----	N. Y.
Prunus persica (peach)	do	1	----	----	N. Y.
Ischnodemus saccharivorus Okajima (Lygaeidae):					
Saccharum spontaneum	Japan	----	----	1	D. C.
Lamellaxis gracilis (Hutton) (Mollusca):					
Cattleya sp. (orchid)	Hawaii	----	----	1	Hawaii.
Lampetia equestris (F.) (Syrphidae):					
Narcissus sp.	England, Ireland	----	----	9	N. J., N. Y.
Lampides boeticus (L.) (Lycaenidae):					
Canavalia sp. (mauna loa)	Hawaii	21	----	----	Calif.*, Hawaii.
Dolichos lablab (hyacinth-bean)	do	1	----	----	Hawaii.
Pisum sativum (pea)	Japan, Mozambique	----	2	----	Pa., Wash.
Laspeyresia nigricana (Stph.) (Olethreutidae):					
Pisum sativum (pea)	Spain	----	1	----	Pa.
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sp. (chestnut)	Azores, England, France, Italy, Portugal, Spain.	33	----	----	Fla.*, Ill., Mass., N. Y.
Lecanium corni (Bouche) (Coccidae):					
Crataegus sp.	Netherlands, Sweden	----	----	3	N. J.
Malus sp.	Germany	----	----	1	N. J.
Lepidosaphes carinata (Ckll.) (Coccidae):					
Fruit—unidentified	Mexico	1	----	----	Calif.*
Lepidosaphes philococcus (Ckll.) (Coccidae):					
Cactus	do	----	----	2	Ariz., Tex.
Lepidosaphes tokionis (Kuw.) (Coccidae):					
Codiaeum sp. (croton)	Hawaii	3	----	2	Hawaii
Lepidosaphes tuberculata Mal. (Coccidae):					
Cymbidium sp. (orchid)	Australia, Hawaii, Japan.	----	----	4	Calif.*, Hawaii.
Lepidosaphes tubulorum Ferris (Coccidae) (as defined by Kuwana):					
Camellia sp.	Japan	----	----	1	Hawaii.
Leptocorixa acuta (Thunb.) (Coreidae):					
Airplane	West Pacific	----	1	----	Hawaii.
Leptoglossus chilensis (Spin.) (Coreidae):					
Vitis sp. (grape)	Chile	4	----	----	N. Y.

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Leucaspis cockerelli (de Charm.) (Coccidae):					
Citrus aurantifolia (lime)	Salvador	1			Calif.*
Citrus limon (lemon)	Panama		1		Calif.*
Citrus sinensis (orange)	do		1		Calif.*
Litchi chinensis (lychee)	Hawaii			1	Hawaii.
Leucinodes orbonalis Guen. (Pyraustidae):					
Solanum melongena (eggplant)	Nigeria		1		Md.
Leucoptera coffeella G.-M. (Lyonetiidae):					
Coffea sp. (coffee)	Mexico	3			Ariz.
Limax marginatus Muller (Mollusca):					
Brassica oleracea capitata (cabbage)	Netherlands		1		Tex.
Catasetum sp. (orchid)	Costa Rica			1	Fla.
Liliaceae and Aizoaceae(?) plants	Azores			1	S. C.
Lycaste sp. (orchid)	Mexico			1	Fla.
Oncidium ansiferum (orchid)	Costa Rica			1	Fla.
Oncidium lankesteri	do			1	Hawaii.
Oncidium sp.	do			1	Hawaii.
Orchid	Costa Rica, Madeira Island, Mexico.			4	Fla., Mass. N. J., Tex.
Pelargonium sp. (geranium)	Mexico	1			Calif.
Limax maximum L. (Mollusca):					
Brassica oleracea capitata (cabbage)	Azores		1		Ga.
Orchid	Guatemala			1	Fla.
Limothrips cerealium Hal. (Thripidae):					
Narcissus sp.	Ireland			1	N. Y.
Listroderes costirostris obliquus (Klug) (Curculionidae):					
Vitis sp. (grape)	Chile	1			N. Y.
Lixus junci Boh. (Curculionidae):					
Beta vulgaris (beet)	Egypt		1		Pa.
Lyctus africanus Lesne (Lyctidae):					
Wood	India	2			Ill.
Lyctus brunneus (Steph.) (Lyctidae):					
Quercus sp. (oak)	Morocco	1			Pa.
Lygaeus pulchellus (F.) (Lygaeidae):					
Orchid	Costa Rica			1	Fla.
Macropygium reticulare (F.) (Pentatomidae):					
Dieffenbachia sp.	Mexico			1	Tex.
Malacosoma castrensis (L.) (Lasiocampidae):					
Suitcase	Morocco	1			Pa.
Mamestra brassicae (L.) (Noctuidae):					
Apium graveolens (celery)	England		1		Tex.
Brassica oleracea botrytis (cauliflower)	Germany		1		Tex.
Brassica oleracea capitata (cabbage)	Belgium		1		N. Y.
Lactuca sativa (lettuce)	do		1		Tex.
Maruca testulalis (Geyer) (Pyraustidae):					
Cajanus cajan (pigeonpea)	Puerto Rico, Trinidad	3			P. R.
Canavalia microcarpa	Hawaii	1			Hawaii.
Canavalia sp. (mauna loa)	do	19			Calif.*, Hawaii.
Phaseolus vulgaris var. (string bean)	Hawaii, Netherlands Guiana, Panama (?), Puerto Rico, Venezuela.	3	4		Ala., Pa., P. R., St. Thomas & St. John, Wash.
Phaseolus sp.	Trinidad	1			P. R.
Sesbania grandiflora	Hawaii	1			Hawaii.
Masonaphis rhododendri (Wils.) (Aphidae):					
Rhododendron obtusum	Netherlands			1	N. J.
Mecolaemus carvalhoi Costa Lima (?) (Miridae):					
Orchid	Panama			1	Fla.
Megacerus alternatus Bridw. (Bruchidae):					
Operculina tuberosa (wood-rose)	Hawaii	1			Hawaii.
Megalometis chiliensis Boh. (Curculionidae):					
Prunus domestica (plum)	Chile	1			N. Y.
Megastigmus pistaciae Wlk. (Torymidae):					
Pistacia vera (pistache)	Iran, Italy	2			N. Y., Pa.
Mescinia peruella Schaus (Phycitidae):					
Gossypium sp. (cotton; boll)	Peru	1			N. Y.

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Metamasius sericeus Ol. (Curculionidae):					
Musa paradisiaca sapientum (banana)	Ecuador, unknown	11			La., Pa., S. C.
Metopoplax ditomoides (Costa) (Lygaeidae):					
Military cargo	Morocco	1			S. C.
Metriona erratica angularis Cham. (Chrysomelidae):					
Chamaedorea sp.	Mexico	1			Tex.
Micrelus ericae (Gyll.) (Curculionidae):					
Calluna vulgaris (heather)	Scotland	2			Mass., N. Y.
Microcephalothrips abdominalis (Crawf.) (Thripidae):					
Arctotis stoechadifolia (African daisy)	Japan	1			Hawaii.
Chrysanthemum sp.	do	2			Hawaii.
Mimosestes dominicanus (Jek.) (Bruchidae):					
Seed pod	Jamaica	1			Fla.*
Mocis latipes (Guen.) (Noctuidae):					
Airplane	Cuba		1		Fla.*
Monanthia monotropidia Stal (Tingidae):					
Orchid	Mexico			1	Tex.
Tillandsia sp.	do			1	Tex.
Monomorium destructor (Jerd.) (Formicidae):					
Clothing	Cuba	1			N. Y.
Grammatophyllum sp. (orchid)	Indonesia			1	Hawaii.
Lycaste denningiana (orchid)	Ecuador			1	Hawaii.
Orchid	India			1	N. J.
Vanda sp. (orchid)	Indonesia			1	Hawaii.
Zingiber officinale (ginger)	Montserrat	1			Tex.
Moodna bisinuella Hamp. (Phycitidae):					
Zea mays (corn)	Mexico	1			Tex.
Morganella longispina (Morg.) (Coccidae):					
Citrus aurantifolia (lime)	Tahiti	1			Calif.*
Myzus ascalonicus Donc. (Aphidae):					
Allium ascalonicum (shallot)	France			1	N. J.
Nasutitermes columbicus (Holmgren) (Termitidae):					
Orchid	Costa Rica			1	Calif.*
Nasutitermes corniger (Motsch) (Termitidae):					
Cardboard crate	British Guiana	1			Ala.
Orchid	Costa Rica			1	Tex.
Nasutitermes nigriceps (Hald.) (Termitidae):					
Schomburgkia sp. (orchid)	British Honduras			1	Fla.
Naupactus xanthographus Germar (Curculionidae):					
Vitis sp. (grape)	Chile	1			N. Y.
Nemapogon granella (L.) (Tineidae):					
Agaricus campestris (mushroom)	Germany, Poland	2			N. Y.
Neodrycoetes guianae Blkm. (Scolytidae):					
Bean	British Guiana	1			La.
Neoleucinodes elegantalis (Guen.) (Pyraustidae):					
Capsicum frutescens (pepper)	Brazil		1		Md.
Solanum melongena (eggplant)	do		2		Md.
Solanum (?) sp.	British Guiana	1			P. R.
Neosteingelia texana Morr. (Coccidae):					
Orchid	Mexico			1	Tex.
Neotermes chilensis (Blanchard) (Kalotermitidae):					
Vitis sp. (grape)	Chile	1			N. Y.
Nezara viridula (L.) (Pentatomidae):					
Dendrobium johnsoniae (orchid)	Australia			1	Hawaii.
Dianthus sp. (carnation)	Japan		1		Hawaii.
Vitis sp. (grape)	Union of South Africa	1			N. Y.
Nipponaclerda biwakoensis (Kuw.) (Coccidae):					
Juncus sp. (rush)	Japan	1			Calif.*
Noropsis hieroglyphica (Cram.) (Noctuidae):					
Airplane	Cuba		1		Fla.*
Orchid	Mexico			1	Tex.
Nysius coenosulus Stal (Lygaeidae):					
Vanda sp. (orchid)	Hawaii	3			Hawaii.
Nysius vinitor Bergroth (Lygaeidae):					
Andropogon sp.	New Guinea			1	D. C.

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Ogdoecosta catenulata (Boh.) (Chrysomelidae):					
Cucurbita maxima (squash)	Mexico	1			Tex.
Opogona subcervinella (Wlk.) (Lyonetiidae):					
Saccharum officinarum (sugarcane)	Portugal	1			N. Y.
Soil with arum and banana	St. Vincent			2	N. Y.
Orchidophilus aterrimus (Waterh.) (Curculionidae):					
Vanda sp. (orchid)	Hawaii	2			Hawaii.
Orthezia cacticola Morr. (Coccidae):					
Cactus	Mexico			1	Tex.
Orthezia pseudinsignis Morr. (Coccidae):					
Leaf—unidentified	do			1	Tex.
Orthotylus ericetorum (Fall.) (Miridae):					
Calluna vulgaris (heather)	Scotland	1			N. Y.
Pachnaeus litus (Germ.) (Curculionidae):					
Airplane	Unknown, Venezula		2		Fla.*
Pachyzancla bipunctalis (F.) (Pyraustidae):					
Amaranthus sp.	Jamaica	1			N. Y.
Leaf	do	1			N. Y.
Pachyzancla periusalis (Wlk.) (Pyraustidae):					
Capsicum frutescens (pepper)	Puerto Rico	1			Ill.
Pagiocerus fiorii (Eggers) (Scolytidae):					
Zea mays (corn)	Colombia			1	N. Y.
Palaeopus costicollis Mshl. (Curculionidae):					
Dioscorea sp. (yam)	Jamaica	2			N. Y.
Ipomoea batatas (sweetpotato)	do		2		Tex.
Pantomorus godmani (Crotch) (Curculionidae):					
Codiaeum sp. (croton)	Hawaii	1			Hawaii.
Cordyline terminalis (ti)	do			1	Hawaii.
Epidendrum sp. (orchid)	do			1	Hawaii.
Parlatoria camelliae Comst. (Coccidae):					
Camellia japonica (camellia)	Italy, Japan, Portugal	1	1	4	D. C., Hawaii, N. J.
Camellia sasanqua (sasanqua tea)	Japan			2	D. C.
Parlatoria cinerea Hadden (Coccidae):					
Citrus paradisi (grapefruit)	Brazil		1		Calif.*
Citrus reticulata (Mandarin orange)	Mexico	1			Calif.*
Citrus sinensis (orange)	Israel, unknown	1	1		Calif.*, Fla.*
Parlatoria crotonis Dougl. (Coccidae):					
Codiaeum sp. (croton)	Hawaii	1			Hawaii.
Parlatoria pseudaspidiotus Ldgr. (Coccidae):					
Vanda sp. (orchid)	do			1	Hawaii.
Parlatoria zizyphus (Lucas) (Coccidae):					
Citrus grandis (pummelo)	Formosa		1		Pa.
Citrus limon (lemon)	Italy, unknown	2	1		Calif.*
Citrus reticulata (Mandarin orange)	China, Thailand	2			Calif.*, Hawaii.
Citrus sinensis (orange)	Formosa, France (?)			2	Calif.*
Parthenothrips dracaenae (Heeger) (Thripidae):					
Peperomia sp.	Canada			1	Pa.
Paromius longulus (Dallas) (Lygaeidae):					
Orchid	Mexico			1	Tex.
Pealius hibisci (Kot.) (Aleyrodidae):					
Gardenia augusta (gardenia)	Hawaii	1			Hawaii.
Pectinophora gossypiella (Saund.) (Gelechiidae):					
Gossypium barbadense	do	1			Hawaii.
Gossypium sp. (cottonseed)	Antigua, Bahamas, Curacao, France, Haiti, Mexico, Syria.	20	1	3	Ariz., Calif., D. C., Fla.*, N. Y., S. C., Tex.
Gossypium sp. (seed cotton)	Mexico	9	2		Calif., Tex.
Gossypium sp. (cotton; boll)	Hawaii, Mexico	3			Hawaii, Tex.
Gossypium sp. (cotton; lock)	Cuba	1			N. Y.
Hibiscus esculentus (okra)	Dominican Republic, Puerto Rico.	2	1		N. Y., P. R.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Pentalonia nigronervosa Coq. (Aphidae):					
Heliconia sp.	Chile		1		Fla.*
Strelitzia sp.	Colombia	1			N. Y.
Zingiber officinale (ginger)	Hawaii	1			Pa
Zingiber sp.	Guam			1	Hawaii.
Pentamerismus coronatus (C. & F.) (Tenuipalpidae):					
Juniperus sp. (juniper)	Spain			1	D. C., Wash.
Pentamerismus oregonensis McG. (Tenuipalpidae):					
Juniperus sp. (juniper)	Japan			1	Wash.
Pentatrichopus fragaefolii (Ckll.) (Aphidae):					
Acer sp. (maple)	France	1			N. Y.
Pentatrichopus tetrarhodus (Wlk.) (?) (Aphidae):					
Rosa sp. (rose)	Germany	1			Ill.
Perigea illecta Wlk. (Noctuidae):					
Airplane	Unknown		1		Hawaii.
Periphyllus californicnsis (Shinji) (Aphidae):					
Acer sp. (maple)	Netherlands			1	N. J.
Pheidole megacephala (F.) (Formicidae):					
Lilium sp. (lily)	Bermuda	1			N. Y.
Orchid	British Honduras			1	Tex.
Phenacoccus azaleae Kuw. (Coccidae):					
Rhododendron sp.	Japan		1		Mass.
Phenacoccus gossypii (Towns. & Ckll.) (Coccidae):					
Polyscias sp.	Bermuda			1	N. Y.
Theobroma cacao (cacao)	Mexico	1			Fla.*
Phenacoccus parvus Morr. (Coccidae):					
Capsicum frutescens (pepper)	Anguilla	1			St. Thomas & St. John
Phenacoccus solani Ferris (Coccidae):					
Gesneriaceae	Canal Zone			1	Fla.
Phlyctinus callosus Boh. (Curculionidae):					
Vitis vinifera (European grape)	Union of South Africa	1			N. Y.
Vitis sp. (grape)	do	1			N. Y.
Phorodon menthae (Buckt.) (Aphidae):					
Mentha sp. (mint)	Morocco	1			S. C.
Phyrdenus divergens (Germ.) (Curculionidae):					
Allium sativum (garlic)	Argentina	1			La.
Phytomyza rufipes Meig. (Agromyzidae):					
Brassica oleracea botrytis (cauliflower)	Belgium, Denmark, England, Germany, Netherlands, Scotland.	24			Ala., Pa., Tex.
Brassica oleracea capitata (cabbage)	Belgium, England, France, Germany.		10		Pa., Tex.
Brassica oleracea gongylodes (kohlrabi)	Germany		1		Pa.
Brassica rapa (turnip)	Belgium, France		2		N. Y., Pa.
Cichorium endivia (endive)	Belgium, Netherlands	13			Mass., N. Y.
Cichorium intybus (chicory)	Belgium	2			N. Y.
Pieris brassicae (L.) (Pieridae):					
Brassica oleracea botrytis (cauliflower)	Italy		1		St. Thomas & St. John.
Brassica oleracea capitata (cabbage)	do		1		N. Y.
Pinnaspis buxi (Bouche) (Coccidae):					
Cocos nucifera (coconut)	Costa Rica	1			Calif.*
Cordyline terminalis (ti)	Hawaii	3			Hawaii.
Pityogenes chalcographus (L.) (Scolytidae):					
Bark	Canada, England, Finland, Norway, Sweden.	7			N. Y., Pa.
Pinus sp. (pine)	England, Germany	3			Ga., N. Y.
Wood	Sweden	2			N. Y.
Plagiodera semivittata Stal (Chrysomelidae):					
Orchid	Mexico			2	Tex.
Plagiodera thymaloides Stal (Chrysomelidae):					
Orchid	do			3	Tex.

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Platynota rostrana (Wlk.) (Tortricidae):					
Capsicum frutescens (pepper)	Cuba	2			Fla.*, N. Y.
Rosa sp. (rose)	Venezuela	1			N. Y.
Platypus rugulosus Chap. (Platypodidae):					
Airplane	Mexico		1		Ariz.
Copaifera hemitomophylla ("cativo")	Colombia	2			Ga.
Plusia chalcites (Esp.) (Noctuidae):					
Cordyline terminalis (ti)	Hawaii	1			Hawaii.
Plusia chalcites (Esp.) (?) (Noctuidae):					
Baggage	do	1			Hawaii.
Cordyline terminalis (ti)	do	1			Hawaii.
Vanda sp. (orchid)	do	1			Hawaii.
Porphyrobaphe iostoma (Sowerby) (Mollusca):					
Musa paradisiaca sapientum (banana)	Ecuador, Honduras	2			La., Pa.
Porthetria dispar (L.) (Lymantriidae):					
Conex box	Unknown		1		N. Y.
Prunus armeniaca (apricot)	France		1		N. Y.
Prays oleellus (F.) (Hyponomeutidae):					
Olea europaea (olive)	Greece, Lebanon	2			N. Y.
Prostephanus truncatus (Horn) (Bostrichidae):					
Wood	Mexico	1			Va.
Protopulvinaria longivalvata Green (Coccidae):					
Dioscorea sp. (yam)	Puerto Rico	1			Ill.
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Cinnamomum sp. (cinnamon)	St. Lucia			1	Fla.
Coffea sp. (coffee)	Jamaica	1			Fla.*
Gardenia augusta (gardenia)	Cuba	1	1		Fla.*
Leaf—unidentified	Cuba, Haiti	1		1	Fla.*
Pseudaonidia trilobitiformis (Green) (Coccidae):					
Citrus paradisi (grapefruit)	Brazil	1			Fla.*
Pseudischnaspis alienus (Newst.) (Coccidae):					
Cattleya sp. (orchid)	Guatemala			1	Fla.
Pseudischnaspis bowreyi (Ckll.) (Coccidae):					
Citrus aurantifolia (lime)	Nicaragua	1			Fla.*
Pseudischnaspis longissima (Ckll.) (Coccidae):					
Mangifera indica (mango)	do	1			Calif.*
Pseudococcus comstocki (Kuw.) (Coccidae):					
Malus sylvestris (apple)	Japan		2		Calif.*, Hawaii.
Pseudococcus lilacinus (Ckll.) (Coccidae):					
Annona cherimola (cherimoya)	Philippines			1	Wash.
Lansium domesticum	do	1			Hawaii.
Mussaenda philippinensis	do			1	D. C.
Passiflora edulis (purple granadilla)	do		1		Hawaii.
Pseudococcus palmarum (Ehrh.) (Coccidae):					
Cocos nucifera (coconut)	Hawaii			4	Calif.*, Wash.
Pseudococcus palmarum oceanicus Tak. (Coccidae):					
Cocos nucifera (coconut)	do	2			Hawaii.
Pseudococcus pini (Kuw.) (Coccidae):					
Pinus sp. (pine)	Japan		1		Mass.
Psylla buxi (L.) (Psyllidae):					
Buxus sempervirens (box)	Netherlands			2	N. J.
Psylla buxi (L.) (?) (Psyllidae):					
Buxus sempervirens (box)	France			1	D. C.
Psylla mali (Schmid.) (?) (Psyllidae):					
Malus sylvestris (apple)	Ireland	1			N. Y.
Pulvinaria floccifera (Westw.) (Coccidae):					
Eurya japonica	Japan	1			Hawaii.
Pulvinaria psidii Mask. (Coccidae):					
Alpinia purpurata	Hawaii	1			Hawaii.
Anthurium sp.	do	1			Hawaii.
Gardenia augusta (gardenia)	do	2			Hawaii.
Litchi chinensis (lychee)	India			1	D. C.
Nerium oleander (oleander)	Bermuda	1			N. Y.
Plumeria sp.	Hawaii	1			Hawaii.
Puto ulter Ferris (Coccidae):					
Cycnoches sp. (orchid)	Costa Rica			1	Fla.
Oncidium cebolleta (orchid)	Guatemala			1	Fla.
Oncidium splendidum	do			1	Tex.
Orchid	Guatemala, Mexico			3	Fla., Tex.

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Pyrausta nubilalis (Hbn.) (Pyraustidae):					
Capsicum frutescens (pepper)	Italy, Philippines	----	3	----	Calif.*, Pa.
Sorghum vulgare technicum (broomcorn)	Italy, Yugoslavia	9	1	----	Mass., Mich., N. Y., Pa.
Reticulitermes flavipes (Kol.) (Rhinotermitidae):					
Fagus sp. (beech)	Italy	1	----	----	N. Y.
Solanum tuberosum (potato)	Canada	----	----	1	Fla.*
Rhagoletis basiola (O. S.) (Tephritidae):					
Rosa woodsii (woods rose)	do	----	----	1	Wash.
Rhagoletis basiola (O.S.) (?) (Tephritidae):					
Rosa sp. (rose)	do	----	----	1	D. C.
Rhagoletis cerasi (L.) (Tephritidae):					
Malus sylvestris (apple)	Italy (?)	----	1	----	Mass.
Prunus sp. (cherry)	France, Germany, Greece, Italy, Portugal, Spain, unknown.	20	24	----	Calif.*, La. Mass., N. Y.
Rhagoletis cerasi (L.) (?) (Tephritidae):					
Malus sylvestris (apple)	Unknown	----	1	----	N. Y.
Prunus sp. (cherry)	Italy, Netherlands	----	2	----	N. Y., Va.
Rhagoletis cingulata (L.) (Tephritidae):					
Prunus sp. (cherry)	France	----	1	----	Ill.
Rhopalophora incrustata Chevr. (Cerambycidae):					
Sambucus sp. (elder)	do	2	----	----	N. Y.
Rhopalosiphoninus tulipaellus (Theob.) (Aphidae):					
Tulipa sp. (tulip)	Netherlands	----	----	1	Tex.
Rhopalosiphum crataegellum (Theob.) (?) (Aphidae):					
Lonicera sp. (woodbine)	Ireland	1	----	----	Mass.
Ribua innoxia Hein. (Phycitidae):					
Ananas comosus (pineapple)	Cuba	12	1	----	Fla.*, La. N. Y., Tex.
Sacadodes pyralis Dyar (Noctuidae):					
Gossypium sp. (cottonseed)	Curacao	1	----	----	S. C.
Scobicia chevrieri (Villa) (Bostrichidae):					
Quercus sp. (oak)	Morocco	1	----	----	Pa.
Scolytus multistriatus (Marsh.) (Scolytidae):					
Ulmus sp. (elm)	Canada	1	----	----	N. Y.
Selenothrips rubrocinctus (Giard) (Thripidae):					
Psidium guajava (guava)	Cuba	1	----	----	Fla.*
Sesamia cretica Led. (Noctuidae):					
Sorghum vulgare technicum (broomcorn)	Greece, Italy	9	1	----	Md., Mass., Mich., N. Y.
Sinoxylon anale Lesne (Bostrichidae):					
Wood	India	1	----	----	Ala.
Sinoxylon conigerum Gerst. (Bostrichidae):					
Baggage	Hawaii	1	----	----	Hawaii.
Wood	India	1	----	----	Md.
Siphanta acuta (Wlk.) (Flatidae):					
Baggage	Hawaii	1	----	----	Hawaii.
Dendrobium sp. (orchid)	do	----	----	1	Hawaii.
Vanda sp. (orchid)	do	1	----	----	Hawaii.
Sirex noctilio F. (Siricidae):					
Wood	Germany	1	----	----	N. Y.
Sitona lineata L. (Curculionidae):					
Rosa sp. (rose)	England	----	----	1	N. J.
Spanioneura fonscolombei Foerst. (Psyllidae):					
Buxus sempervirens (box)	Italy	----	----	1	D. C.
Spanogonicus albofasciata (Reuter) (Miridae):					
Saccharum officinarum (sugarcane)	Mexico	1	----	----	Ariz.
Sparteus villosus (F.) (Bruchidae):					
Cytisus sp.	Switzerland	----	----	1	N. Y.
Sparteus villosus (F.) (?) (Bruchidae):					
Spartium junceum (weavers-broom)	Italy	----	----	1	N. J.

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		Consumption	Non-entry	Propagation	
Steneotarsonemus laticeps (Halb.) (Tarsonemidae):					
Narcissus sp.	Canada, Northern Ireland.	----	----	2	N. J.
Stenoma catenifer Wlsm. (Stenomidae):					
Persea americana (avocado)	Costa Rica, Ecuador, Guatemala, Mexico, Nicaragua, Panama, Salvador, Venezuela.	17	6	3	Ala., Calif.*, Fla.*, La., N. Y., S. C., Tex.
Stephanoderes hampei (Ferr.) (Scolytidae):					
Coffea arabica (Arabian coffee)	Liberia	----	----	1	D. C.
Coffea canephora	French West Africa	----	----	1	D. C.
Coffea ugandae	French Equatorial Africa.	----	----	1	D. C.
Coffea sp.	Angola	----	1	----	P. R.
Sternochetus mangiferae (F.) (Curculionidae):					
Mangifera indica (mango)	Hawaii, India, Philippines(?).	11	----	----	Calif.*, Hawaii, N. Y.
Suidasia medanensis Oud. (Acaridae):					
Gossypium sp. (cottonseed)	India	1	----	----	Wash.
Systole geniculata Foerster (Eurytomidae):					
Ammi copticum	----do	1	----	----	N. J.
Taeniothrips atratus (Hal.) (Thripidae):					
Aster sp.	Germany	1	----	----	Ill.
Calluna vulgaris (heather)	Scotland	5	----	----	Mass., N. Y.
Dianthus caryophyllus (carnation)	Germany, Netherlands	2	2	----	Ill., Mass., Pa.
Lathyrus odoratus (sweet pea)	England	2	----	----	Ill., N. Y.
Lavandula sp. (lavender)	----do	1	----	----	Mass.
Rosa sp. (rose)	Scotland	1	----	----	N. Y.
Taeniothrips ericae (Hal.) (Thripidae):					
Calluna vulgaris (heather)	----do	5	----	----	Mass., N. Y.
Erica australis (southern heath)	Portugal	----	----	1	D. C.
Taeniothrips hawaiiensis (Morg.) (Thripidae):					
Gardenia augusta (gardenia)	Hawaii	3	----	----	Hawaii.
Plumeria sp.	----do	1	----	----	Hawaii.
Polianthes tuberosa (tuberose)	----do	1	----	----	Hawaii.
Taeniothrips vulgatissimus (Hal.) (Thripidae):					
Rosa sp. (rose)	Scotland	1	----	----	N. Y.
Talponia batesi Hein. (Olethreutidae):					
Annona cherimola (cherimoya)	Mexico	7	----	----	Tex.
Annona muricata (soursop)	Trinidad	1	----	----	P. R.
"*Targionia*" *bromiliae* (Leon) (Coccidae):					
Ananas comosus (pineapple)	Mexico	1	----	----	Ariz.
"*Targionia*" *hartii* (Ckll.) (Coccidae):					
Dioscorea sp. (yam)	Barbados, Cuba	1	1	----	Fla.*, Mass.
"*Targionia*" *sacchari* (Ckll.) (Coccidae):					
Saccharum officinarum (sugarcane)	Cuba, St. Kitts	1	1	----	Fla.*
Teleonemia scrupulosa Stal (Tingidae):					
Vanda sp. (orchid)	Hawaii	1	----	----	Hawaii.
Tenthecoris angustimarginatus Hsiao & Sailer (Miridae):					
Orchid	Mexico	----	----	1	Tex.
Tenthecoris bicolor Scott (Miridae):					
Lacaena spectabilis (orchid)	Honduras	----	----	3	Hawaii.
Orchid	Mexico	----	----	6	Ariz., Tex
Tenthecoris confusus Hsiao & Sailer (Miridae):					
Orchid	----do	----	----	12	Tex.
Tenthecoris distinguendus Hsiao & Sailer (Miridae):					
Brassia caudata (orchid)	Canal Zone	----	----	1	Hawaii.
Epidendrum atropurpureum (orchid)	----do	----	----	1	Hawaii.
Rodriguezia secunda (orchid)	----do	----	----	1	Hawaii.
Tenuipalpus pacificus Baker (Tenuipalpidae):					
Orchid	Jamaica	----	...	1	Fla.
Termes panamaensis (Snyder) (Termitidae):					
Orchid	British Honduras	----	----	1	Fla.
Tetralicia ericae Harrison (Aleyrodidae):					
Erica sp.	Portugal	----	----	1	D. C.

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Tetranychus cinnabarinus (Boisd.) (Tetranychidae):					
Cucurbita maxima (squash)	Italy	1			Mass.
Tetrancychus desertorum Banks (Tetranychidae):					
Gossypium sp. (cotton; plant)	Mexico	1			Tex.
Tetranychus telarius (L.) (Tetranychidae):					
Daphne sp.	England			1	N. J.
Dianthus caryophyllus (carnation)	Germany		1		Ill.
Tezananus spatulatus (Van D.) (Cicadellidae):					
Cactus	Mexico			1	Tex.
Theba pisana (Muller) (Mollusca):					
Beta vulgaris (beet)	Belgium		1		Pa.
Beta vulgaris cicla (Swiss chard)	Venezuela		1		P. R.
Conex box	Morocco	1			Pa.
Dunnage	do		1		Ga.
Linum usitatissimum (flax)	do			1	D. C.
Machinery	do	2			Pa.
Military cargo	Morocco, Tripoli	26			Pa., S. C.
Thecla ziba Hew. (Lycaenidae):					
Ananas comosus (pineapple)	Mexico	1			Tex.
Thrips flavus Schrank (Thripidae):					
Calluna vulgaris (heather)	Scotland	1			Mass.
Dianthus caryophyllus (carnation)	Germany		1		Ill.
Lathyrus odoratus (sweet pea)	England	1			Ill.
Narcissus sp.	Ireland			1	N. Y.
Thrips fuscipennis Hal. (Thripidae):					
Dianthus caryophyllus (carnation)	Germany	1			Ill.
Rosa sp. (rose)	Scotland	1			N. Y.
Thrips major Uzel (Thripidae):					
Dianthus caryophyllus (carnation)	Germany		1		Ill.
Lathyrus odoratus (sweet pea)	England	1			Ill.
Rosa sp. (rose)	England, Ireland	2			Ill., Mass.
Tiracola plagiata (Wlk.) (Noctuidae):					
Airplane	West Pacific		1		Hawaii.
Trapezonotus arenarius (L.) (Lygaeidae):					
Moss	Norway	1			N. Y.
Trialeurodes lauri (Sign.) (Aleyrodidae):					
Laurus nobilis (Grecian laurel)	Italy		1		N. Y.
Trialeurodes vaporariorum (Westw.) (Aleyrodidae):					
Persea americana (avocado)	Mexico	1			Tex.
Ruta graveolens (rue)	do	1		1	Tex.
Trionymus sacchari (Ckll.) (Coccidae):					
Saccharum spontaneum	Japan			1	D. C.
Trogoderma granarium Everts (Dermestidae):					
Oryza sativa (rice)	Brazil (?), Formosa, Hong Kong, India, Kuwait, Straits Settlements.		16		Ala., Hawaii, Md., Pa., Va.
Phaseolus aureus (mung bean)	Pakistan			1	D. C.
Sorghum vulgare (sorghum)	do			1	D. C.
Triticum aestivum (wheat)	Formosa		1		Hawaii.
Trogoderma includum LeConte (Dermestidae):					
Cucurbita maxima (squash)	Cuba	1			Fla.*
Trogoderma parabile Beal (Dermestidae):					
Gossypium sp. (cottonseed)	Mexico	1			Calif.
Oryza sativa (rice)	Iran	1			N. Y.
Tulipa sp. (tulip)	Netherlands			1	Ill.
Trogoderma sternale Jayne ssp. (Dermestidae):					
Flour	Mexico	1			Calif.
Trogoxylon impressum (Com.) (Lyctidae):					
Quercus sp. (oak)	Morocco	1			Pa.
Tyrophagus infestans (Berl.) (Acaridae):					
Soil on kaki persimmon plants	Italy			1	Mass.
Soil with shamrock plants	Ireland			1	Mass.
Unaspis citri (Comst.) (Coccidae):					
Citrus aurantifolia (lime)	Venezuela		1		Fla.*
Citrus paradisi (grapefruit)	Japan		1		Calif.*
Citrus reticulata (Mandarin orange)	do		1		Calif.*
Citrus sinensis (orange)	Cuba, Japan, Mexico	1	2		Calif.*, Fla.*

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Unaspis euonymi (Comst.) (Coccidae):					
Euonymus sieboldianus	Japan			1	Calif.*
Unaspis yanonensis (Kuw.) (Coccidae):					
Citrus aurantium (sour orange)	do		3		Calif.*
Citrus limon (lemon)	do		2		Calif.*
Citrus paradisi (grapefruit)	do		1		Calif.*
Citrus reticulata (Mandarin orange)	China, Japan	5	28		Calif.*, Hawaii, Minn.
Citrus reticulata unshiu (satsuma orange)	Japan	1			Hawaii.
Citrus sinensis (orange)	do	2	25		Calif.*, Hawaii, Pa.
Vanessa indica (Hbst.) (Nymphalidae):					
Airplane	do		1		Hawaii.
Vinsonia stellifera (Westw.) (Coccidae):					
Aspasia principissa (orchid)	Canal Zone			1	Fla.
Brassavola nodosa (orchid)	Jamaica			1	Fla.
Brassia caudata (orchid)	do			1	N. J.
Broughtonia sp. (orchid)	Cuba, Jamaica			15	Fla., N. J.
Camaridium sp. (orchid)	Trinidad			1	Fla.
Catasetum sp. (orchid)	Canal Zone			1	Fla.
Epidendrum anceps (orchid)	do			1	Fla.
Epidendrum ciliare	do			1	Calif.*
Epidendrum sp.	British Honduras, Canal Zone.			3	Fla., N. J.
Garcinia sp.	Canal Zone			1	Fla.
Gongora sp. (orchid)	do			1	Fla.
Macradenia sp. (orchid)	do			1	Hawaii.
Miltonia sp. (orchid)	Canal Zone, Panama			2	Fla., Hawaii.
Oncidium auriferum (orchid)	Canal Zone			1	Fla.
Oncidium sp.	do			2	Fla., N. J.
Orchid	Antigua, Bahamas, British Guiana, British Honduras, Canal Zone, Costa Rica, Guatemala, Jamaica, Panama, Puerto Rico, Salvador, Trinidad.	1		22	Calif.*, Fla
Phajus sp. (orchid)	Jamaica			1	Fla.
Strelitzia reginae (bird-of-paradise)	Haiti	1			Fla.*
Tillandsia sp.	Trinidad			1	Fla.
Xylobiops partilis Lesne (Bostrichidae):					
Log	Mexico	1			Ariz.
Xylobiops texanus (Horn) (Bostrichidae):					
Ananas comosus (pineapple)	do	1			Tex.
Cercidium floridum (paloverde)	do			1	Tex.
Xylosandrus germanus (Bldfd.) (Scolytidae):					
Camellia sinensis (tea)	Japan			1	D. C.
Zeadiatraea lineolata (Wlk.) (Crambidae):					
Zea mays (corn)	Venezuela		1		Pa.
Zonitoides arboreus (Say) (Mollusca):					
Cattleya sp. (orchid)	Hawaii			1	Hawaii.
Macadamia sp.	do	1			Hawaii.
Soil with anthurium plants	do			1	S. C.
Zophodia convolutella (Hbn.) (?) (Phycitidae):					
Ribes sp. (gooseberry)	Sweden	1			N. Y.

Hosts and Insects

ABIES:
Blastophagus piniperda (Coleoptera)
ACER:
Acaria macrochelus (Acarina)
Pentatrichopus fragaefolii (Homoptera)
Periphyllus californiensis (Homoptera)
ACHRAS:
Anastrepha serpentina (Diptera)
ACTINOPHLOEUS:
Dacus dorsalis (Diptera)
AGARICUS:
Nemapogon granella (Lepidoptera)
ALLIUM ASCALONICUM:
Myzus ascalonicus (Homoptera)
ALLIUM PORRUM:
Acrolepia assectella (Lepidoptera)
Deroceras reticulatum (Mollusca)
Glycyphagus domesticus (Acarina)
ALLIUM SATIVUM:
Aglossa cuprealis (Lepidoptera)
Brachycerus albidentatus (Coleoptera)
Brachycerus algirus (Coleoptera)
Dyspessa ulula (Lepidoptera)
Phyrdenus divergens (Coleoptera)
ALPINIA:
Bradybaena similaris (Mollusca)
Coccus viridis (Homoptera)
Pulvinaria psidii (Homoptera)
AMHERSTIA:
Aspidiotus diffinis (Homoptera)
ALYXIA:
Cercplastes rubens (Homoptera)
AMARANTHUS:
Pachyzancla bipunctalis (Lepidoptera)
AMMI:
Systole geniculata (Hymenoptera)
ANANAS:
Agroiconota propinqua (Coleoptera)
Alpheias conspirata (Lepidoptera)
Blissus leucopterus insularis (Hemiptera)
Brevipalpus phoenicis (Acarina)
Euetheola bidentata (Coleoptera)
Ribua innoxia (Lepidoptera)
"Targionia" bromiliae (Homoptera)
Thecla ziba (Lepidoptera)
Xylobiops texanus (Coleoptera)
ANDROPOGON:
Nysius vinitor (Hemiptera)
ANNONA:
Bephrata maculicollis (Hymenoptera)
Ceratitis capitata (Diptera)
Cerconota anonella (Lepidoptera)
Iridomyrmex humilis (Hymenoptera)
Pseudococcus lilacinus (Homoptera)
Talponia batesi (Lepidoptera)
ANTHURIUM:
Bradybaena similaris (Mollusca)
Ceroplastes rubens (Homoptera)
Pulvinaria psidii (Homoptera)
ANTIRRHINUM:
Prodenia ornithogalli (Lepidoptera)
APIUM:
Acidia heraclei (?) (Diptera)
Anuraphis tulipae (Homoptera)
Deroceras reticulatum (Mollusca)
Mamestra brassicae (Lepidoptera)
ARACHIS:
Caryedon fuscus (?) (Coleoptera)
ARCTOSTAPHYLOS:
Gynaikothrips ficorum (Thysanoptera)
ARCTOTIS:
Microcephalothrips abdominalis (Thysanoptera)
ASPASIA:
Vinsonia stellifera (Homoptera)
ASTER:
Franklieniella intonsa (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
BAMBOO:
Asterolecanium miliaris robustum (Homoptera)
Chaetococcus bambusae (Homoptera)
BETA:
Gnorimoschema ocellatella (Lepidoptera)
Lixus junci (Coleoptera)
Theba pisana (Mollusca)
BRASSAVOLA:
Furcaspis biformis (Homoptera)
Vinsonia stellifera (Homoptera)
BRASSIA:
Tenthecoris distinguendus (Hemiptera)
Vinsonia stellifera (Homoptera)
BRASSICA NAPOBRASSICA:
Ceutorhynchus pleurostigma (Coleoptera)
BRASSICA OLERACEA BOTRYTIS:
Deroceras reticulatum (Mollusca)
Evergestis rimosalis (Lepidoptera)
Mamestra brassicae (Lepidoptera)
Phytomyza rufipes (Diptera)
Pieris brassicae (Lepidoptera)
BRASSICA OLERACEA BULLATA:
Deroceras reticulatum (Mollusca)
BRASSICA OLERACEA CAPITATA:
Deroceras reticulatum (Mollusca)
Limax marginatus (Mollusca)
Limax maximus (Mollusca)
Mamestra brassicae (Lepidoptera)
Phytomyza rufipes (Diptera)
Pieris brassicae (Lepidoptera)
BRASSICA OLERACEA GONGYLODES:
Phytomyza rufipes (Diptera)
BRASSICA RAPA:
Hellula undalis (Lepidoptera)
Helophorus rugosus (Coleoptera)
Phytomyza rufipes (Diptera)
BROMELIAD:
Cryphula apicalis (Hemiptera)
Furcaspis biformis (Homoptera)
Galgupha punctifer (Hemiptera)
BROUGHTONIA:
Vinsonia stellifera (Homoptera)
BUXUS:
Eriophyes canestrinii (Acarina)
Psylla buxi (Homoptera)
CACTUS:
Aufeius impressicollis (Hemiptera)
Lepidosaphes philococcus (Homoptera)
Orthezia cacticola (Homoptera)
Tezananus spatulatus (Homoptera)
CAJANUS:
Acanthoscelides armitagei (Coleoptera)
Ancylostomia stercorea (Lepidoptera)
Callosobruchus phaseoli (Coleoptera)
Chalcodermus aeneus (Coleoptera)
Maruca testulalis (Lepidoptera)
CALLUNA:
Gelechia ericetella (Lepidoptera)
Micrelus ericae (Coleoptera)
Orthotylus ericetorum (Hemiptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips ericae (Thysanoptera)
Thrips flavus (Thysanoptera)
CALOCARPUM:
Anastrepha ludens (?) (Diptera)
Anastrepha serpentina (Diptera)
CALOPHYLLUM:
Dacus dorsalis (?) (Diptera)
CAMARIDIUM:
Vinsonia stellifera (Homoptera)
CAMELLIA:
Aspidiotus degeneratus (Homoptera)
Brevipalpus inornatus (Acarina)
Lepidosaphes tubulorum (Homoptera) (As defined by Kuwana)
Pariatoria camelliae (Homoptera)
Xylosandrus germanus (Coleoptera)
CANAVALIA:
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
CAPSICUM:
Dacus cucurbitae (Diptera)
Epinotia aporema (Lepidoptera)
Gnorimoschema gudmannella (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
Pachyzancla perusalis (Lepidoptera)
Phenacoccus parvus (Homoptera)
Platynota rostrana (Lepidoptera)
Pyrausta nubilalis (Lepidoptera)
CASIMIROA:
Anastrepha ludens (Diptera)

Hosts and Insects—Continued

CASSIA:
Aganactesis indecora (Lepidoptera)
Caryedon fuscus (Coleoptera)
Fundella pellucens (Lepidoptera)
CASTANEA:
Curculio elephas (Coleoptera)
Hemimene juliana (Lepidoptera)
Laspeyresia splendana (Lepidoptera)
CATASETUM:
Deroceras reticulatum (Mollusca)
Limax marginatus (Mollusca)
Vinsonia stellifera (Homoptera)
CATTLEYA:
Farinococcus guatemalensis (Homoptera)
Furcaspis biformis (Homoptera)
Helix aspersa (Mollusca)
Lamellaxis gracilis (Mollusca)
Pseudischnaspis alienus (Homoptera)
Zonitoides arboreus (Mollusca)
CERATONIA:
Ectomyelois ceratoniae (Lepidoptera)
CERCIDIUM:
Xylobiops texanus (Coleoptera)
CHAMAEDOREA:
Caulophilus latinasus (Coleoptera)
Chrysomphalus sphaerioides (Homoptera)
Coelonetus nigrirostris (Coleoptera)
Metriona erratica angularis (Coleoptera)
CHRYSALIDOCARPUS:
Coccotrypes carpophagus (Coleoptera)
CHRYSANTHEMUM:
Anuraphis cardui (Homoptera)
Frankliniella bispinosa (Thysanoptera)
Frankliniella formosae (Thysanoptera)
Homoeosoma electellum (Lepidoptera)
Microcephalothrips abdominalis (Thysanoptera)
CICHORIUM:
Deroceras reticulatum (Mollusca)
Phytomyza rufipes (Diptera)
CINNAMOMUM:
Protopulvinaria pyriformis (Homoptera)
CITRUS AURANTIFOLIA:
Aleurocanthus woglumi (Homoptera)
Anastrepha ludens (Diptera)
Coccus viridis (Homoptera)
Dysdercus mimus (Hemiptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Pseudischnaspis bowreyi (Homoptera)
Unaspis citri (Homoptera)
CITRUS AURANTIUM:
Unaspis yanonensis (Homoptera)
CITRUS AURANTIUM VAR.:
Aleurotuberculatus aucubae (Homoptera)
CITRUS GRANDIS:
Glycyphagus domesticus (Acarina)
Parlatoria zizyphus (Homoptera)
CITRUS LIMON:
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Leucaspis cockerelli (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS LIMON VAR. PONDEROSA:
Anastrepha ludens (Diptera)
CITRUS PARADISI:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Parlatoria cinerea (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homptera)
CITRUS RETICULATA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chrysomphalus bifasciculatus (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS RETICULATA UNSHIU:
Unaspis yanonensis (Homoptera)
CITRUS SINENSIS:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chrysomphalus bifasciculatus (Homoptera)
Chrysomphalus personatus (Homoptera)
Dialeurodes citri (Homoptera)
Exptochiomera confusa (Hemiptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis citri (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS SP:
Aleurocanthus woglumi (Homoptera)
COCOS:
Aspidiotus destructor (Homoptera)
Diocalandra taitensis (Coleoptera)
Ereunetis flavistriata (Lepidoptera)
Pinnaspis buxi (Homoptera)
Pseudococcus palmarum (Homoptera)
Pseudococcus palmarum oceanicus (Homoptera)
CODIAEUM:
Aleuroplatus mammaeferus (Homoptera)
Lepidosaphes tokionis (Homoptera)
Pantomorus godmani (Coleoptera)
Parlatoria crotonis (Homoptera)
COFFEA:
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)
Leucoptera coffeella (Lepidoptera)
Protopulvinaria pyriformis (Homoptera)
Stephanoderes hampei (Coleoptera)
COLOCASIA:
Bradybaena similaris (Mollusca)
COLUTEA:
Bruchophagus coluteae (Hymenoptera)
CONOSPERMUM:
Asterolecanium petrophilae (Homoptera)
COPAIFERA:
Platypus rugulosus (Coleoptera)
CORDYLINE:
Bradybaena similaris (Mollusca)
Deroceras reticulatum (Mollusca)
Pantomorus godmani (Coleoptera)
Pinnaspis buxi (Homoptera)
Plusia chalcites (Lepidoptera)
CORYLUS:
Curculio nucum (Coleoptera)
CRATAEGUS:
Ceratitis capitata (Diptera)
Lecanium corni (Homoptera)
CUCUMIS:
Dacus cucurbitae (?) (Diptera)
Deroceras reticulatum (Mollusca)
CUCURBITA:
Dacus ciliatus (Diptera)
Ogdoecosta catenulata (Coleoptera)
Tetranychus cinnabarinus (Acarina)
Trogoderma inclusum (Coleoptera)
CYCNOCHES:
Puto ulter (Homoptera)
CYDONIA:
Anastrepha ludens (Diptera)
Ectomyelois ceratoniae (Lepidoptera)
Euzophera bigella (?) (Lepidoptera)
CYMBIDIUM:
Lepidosaphes tuberculata (Homoptera)
CYNARA:
Anuraphis cardui (Homoptera)
CYTISUS:
Bryobia sarothamni (Acarina)
Sparteus villosus (Coleoptera)
DAPHNE:
Tetranychus telarius (Acarina)
DAUCUS:
Deroceras reticulatum (Mollusca)
DELONIX:
Ectomyelois ceratoniae (Lepidoptera)
DENDROBIUM:
Aspidiotus australiensis (Homoptera)
Nezara viridula (Hemiptera)
Siphanta acuta (Homoptera)
DIANTHUS:
Nezara viridula (Hemiptera)
Taeniothrips atratus (Thysanoptera)
Tetranychus telarius (Acarina)
Thrips flavus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)

Hosts and Insects—Continued

DIANTHUS—Continued
Thrips major (Thysanoptera)
DIEFFENBACHIA:
Bradybaena similaris (Mollusca)
Ceroplastes rubens (Homoptera)
Macropygium reticulare (Hemiptera)
DIOSCOREA:
Palaeopus costicollis (Coleoptera)
Protopulvinaria longivalvata (Homoptera)
"Targionia" hartii (Homoptera)
DIOSPYROS:
Ceratitis capitata (Diptera)
DOLICHOS:
Lampides boeticus (Lepidoptera)
ENTEROLOBIUM:
Ectomyelois muriscis (Lepidoptera)
EPIDENDRUM:
Asterolecanium epidendri (Homoptera)
Cryphula fasciatus (Hemiptera)
Deroceras reticulatum (Mollusca)
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Pantomorus godmani (Coleoptera)
Tenthecoris distinguendus (Hemiptera)
Vinsonia stellifera (Homoptera)
ERICA:
Arcorthezia cataphracta (Homoptera)
Taeniothrips ericae (Thysanoptera)
Tetralicia ericae (Homoptera)
ERIOBOTRYA:
Ceratitis capitata (Diptera)
EUGENIA:
Anastrepha mombinpraeoptans (Diptera)
Dacus dorsalis (Diptera)
EUONYMUS:
Unaspis euonymi (Homoptera)
EUPHORBIA:
Ferrisia virgata (Homoptera)
EURYA:
Pulvinaria floccifera (Homoptera)
FAGUS:
Reticulitermes flavipes (Isoptera)
FICUS:
Ceratitis capitata (Diptera)
Ceroplastes rusci (Homoptera)
Dacus dorsalis (?) (Diptera)
Iridomyrmex humilis (Hymenoptera)
FORSYTHIA:
Dialeurodes citri (Homoptera)
FRAGARIA:
Deroceras reticulatum (Mollusca)
GARCINIA:
Vinsonia stellifera (Homoptera)
GARDENIA:
Ceroplastes rubens (Homoptera)
Coccus viridis (Homoptera)
Dialeurodes citri (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
Pealius hibisci (Homoptera)
Protopulvinaria pyriformis (Homoptera)
Pulvinaria psidii (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
GESNERIACEAE:
Phenacoccus solani (Homoptera)
GLADIOLUS:
Frankliniella formosae (Thysanoptera)
Frankliniella occidentalis (Thysanoptera)
GONGORA:
Vinsonia stellifera (Homoptera)
GOSSYPIUM:
Coptotermes formosanus (Isoptera)
Mescinia peruella (Lepidoptera)
Pectinophora gossypiella (Lepidoptera)
Sacadodes pyralis (Lepidoptera)
Suidasia medanensis (Acarina)
Tetranychus desertorum (Acarina)
Tropoderma parabile (Coleoptera)
GRAMMATOPHYLLUM:
Monomorium destructor (Hymenoptera)
HELICONIA:
Pentalonia nigronervosa (Homoptera)
HIBISCUS:
Adoretus sinicus (Coleoptera)
Pectinophora gossypiella (Lepidoptera)
HYMENOCALLIS:
Brithys pancratii (Lepidoptera)
IPOMOEA:
Cylas formicarius ssp. (Coleoptera)
Cylas formicarius var. (Coleoptera)
Cylas formicarius elegantulus (Coleoptera)
Cylas formicarius formicarius (Coleoptera)
Cylas punctricollis (Coleoptera)
Euscepes postfasciatus (Coleoptera)
Palaeopus costicollis (Coleoptera)
IRIS:
Anuraphis tulipae (Homoptera)
JASMINUM:
Dialeurodes kirkaldyi (Homoptera)
JUGLANS:
Ectomyelois ceratoniae (Lepidoptera)
JUNCUS:
Nipponaclerda biwakoensis (Homoptera)
JUNIPERUS:
Pentamerismus coronatus (Acarina)
Pentamerismus oregonensis (Acarina)
LACAENA:
Tenthecoris bicolor (Hemiptera)
LACTUCA:
Arion circumscriptus (Mollusca)
Deroceras reticulatum (Mollusca)
Helix aperta (Mollusca)
Mamestra brassicae (Lepidoptera)
LANSIUM:
Pseudococcus lilacinus (Homoptera)
LATHYRUS:
Frankliniella intonsa (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
Thrips flavus (Thysanoptera)
Thrips major (Thysanoptera)
LAURUS:
Trialeurodes lauri (Homoptera)
LAVANDULA:
Frankliniella intonsa (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
LENS:
Bruchus ervi (Coleoptera)
Bruchus lentis (Coleoptera)
Bruchus signaticornis (Coleoptera)
LEUCAENA:
Araecerus levipennis (Coleoptera)
LILIACEAE:
Helix aspersa (Mollusca)
Limax marginatus (Mollusca)
LILIUM:
Bradybaena similaris (Mollusca)
Deroceras reticulatum (Mollusca)
Haplothrips gowdeyi (Thysanoptera)
Pheidole megacephala (Hymenoptera)
LINUM:
Theba pisana (Mollusca)
LITCHI:
Coccus acutissimus (Homoptera)
Fiorinia nephelii (Homoptera)
Leucaspis cockerelli (Homoptera)
Pulvinaria psidii (Homoptera)
LONCHOCARPUS:
Dinoderus bifovealatus (Coleoptera)
LONICERA:
Rhopalosiphum crataegellum (Homoptera)
LYCASTE:
Deroceras reticulatum (Mollusca)
Limax marginatus (Mollusca)
Monomorium destructor (Hymenoptera)
LYCOPERSICON:
Blissus leucopterus insularis (Hemiptera)
Dacus cucurbitae (Diptera)
MACADAMIA:
Cryptophlebia illepida (Lepidoptera)
Zonitoides arboreus (Mollusca)
MACRADENIA:
Vinsonia stellifera (*Homoptera*)
MALUS:
Anastrepha ludens (Diptera)
Argyresthia conjugella (Lepidoptera)
Carposina sasakii (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
Lecanium corni (Homoptera)
Pseudococcus comstocki (Homoptera)

Hosts and Insects—Continued

MALUS—Continued
Psylla mali (?) (Homoptera)
Rhagoletis cerasi (Diptera)
MAMMEA:
Anastrepha serpentina (Diptera)
MANGIFERA:
Anastrepha ludens (Diptera)
Anastrepha mombinpraeoptans (Diptera)
Aulacaspis mangiferae (Homoptera)
Dacus dorsalis (Diptera)
Pseudischnaspis longissima (Homoptera)
Sternochetus mangiferae (Coleoptera)
MENTHA:
Phorodon menthae (Homoptera)
MILTONIA:
Vinsonia stellifera (Homoptera)
MONSTERA:
Cactophagus validirostris (Coleoptera)
MUSA:
Cosmopolites sordidus (Coleoptera)
Epilachna paenulata (Coleoptera)
Epilachna paenulata var. (Coleoptera)
Metamasius sericeus (Coleoptera)
Porphyrobaphe iostoma (Mollusca)
MUSCARI:
Bouhelia maroccana (Homoptera)
MUSSAENDA:
Pseudococcus lilacinus (Homoptera)
MYOPORUM:
Brevipalpus inornatus (Acarina)
NARCISSUS:
Lampetia equestris (Diptera)
Limothrips cerealium (Thysanoptera)
Stenotarsonemus laticeps (Acarina)
Thrips flavus (Thysanoptera)
NERIUM:
Ferrisia virgata (Homoptera)
Pulvinaria psidii (Homoptera)
NIPA:
Aspidiotus destructor (Homoptera)
OLEA:
Dacus oleae (Diptera)
Prays oleellus (Lepidoptera)
ONCIDIUM:
Brevipalpus oncidii (Acarina)
Furcaspis biformis (Homoptera)
Limax marginatus (Mollusca)
Puto ulter (Homoptera)
Vinsonia stellifera (Homoptera)
ONONIS:
Bruchophagus ononis (?) (Hymenoptera)
OPERCULINA:
Bradybaena similaris (Mollusca)
Megacerus alternatus (Coleoptera)
OPUNTIA:
Ceratitis capitata (Diptera)
ORBIGNYA:
Caulophilus latinasus (Coleoptera)
ORCHID:
Artipus grisescens (Coleoptera)
Asterolecanium epidendri (Homoptera)
Calligrapha diversa (Coleoptera)
Capaneus tetricus (Hemiptera)
Cephaloleia atriceps (Coleoptera)
Chalepus omoger (Coleoptera)
Cligenes delineata (Hemiptera)
Deroceras reticulatum (Mollusca)
Diorymerellus laevimargo (Coleoptera)
Epilachna mexicana (Coleoptera)
Exptochiomera albomaculata (Hemiptera)
Exptochiomera oblonga (Hemiptera)
Ferrisia virgata (Homoptera)
Furcaspis biformis (Homoptera)
Galgupha punctifer (Hemiptera)
Iridomyrmex iniquus (Hymenoptera)
Limax marginatus (Mollusca)
Limax maximus (Mollusca)
Lygaeus pulchellus (Hemiptera)
Mecolaemus carvalhoi (?) (Hemiptera)
Monanthia monotropidia (Hemiptera)
Monomorium destructor (Hymenoptera)
Nasutitermes columbicus (Isoptera)
Nasutitermes corniger (Isoptera)
Neoteingelia tezana (Homoptera)
Nycropeis hieroglyphica (Lepidoptera)
Paromius longulus (Hemiptera)
Pheidole megacephala (Hymenoptera)
Plagiodera semivittata (Coleoptera)
Plagiodera thymaloides (Coleoptera)
Puto ulter (Homoptera)
Tenthecoris angustimarginatus (Hemiptera)
Tenthecoris bicolor (Hemiptera)
Tenthecoris confusus (Hemiptera)
Tenuipalpus pacificus (Acarina)
Termes panamaensis (Isoptera)
Vinsonia stellifera (Homoptera)
ORNITHOGALUM:
Epichorista ionephela (Lepidoptera)
ORYZA:
Chilo suppressalis (Lepidoptera)
Trogoderma granarium (Coleoptera)
Trogoderma parabile (Coleoptera)
OSMANTHUS:
Chrysomphalus bifasciculatus (Homoptera)
PALM:
Chrysomphalus bifasciculatus (Homoptera)
PASSIFLORA:
Iridomyrmex humilis (Hymenoptera)
Pseudococcus lilacinus (Homoptera)
PELARGONIUM:
Limax marginatus (Mollusca)
PEPEROMIA:
Parthenothrips dracaenae (Thysanoptera)
PERSEA:
Aspidiotus destructor (Homoptera)
Ceratitis capitata (Diptera)
Conotrachelus aguacatae (Coleoptera)
Heilipus lauri (Coleoptera)
Stenoma catenifer (Lepidoptera)
Trialeurodes vaporariorum (Homoptera)
PHAEOMERIA:
Hyalopeplus pellucidus (Hemiptera)
PHAJUS:
Adoretus sinicus (Coleoptera)
Vinsonia stellifera (Homoptera)
PHASEOLUS:
Callosobruchus phaseoli (Coleoptera)
Epinotia aporema (Lepidoptera)
Everes comyntas (Lepidoptera)
Maruca testulalis (Lepidoptera)
Trogoderma granarium (Coleoptera)
PHILODENDRON:
Chrysomphalus sphaeroides (Homoptera)
Deroceras reticulatum (Mollusca)
Exptochiomera confusa (Hemiptera)
PHYSALIS:
Heliothis subflexa (Lepidoptera)
PINUS:
Blastophagus piniperda (Coleoptera)
Dichocrocis punctiferalis (Lepidoptera)
Ernobius mollis (Coleoptera)
Hylurgops palliatus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Pseudococcus pini (Homoptera)
PISTACIA:
Megastigmus pistaciae (Hymenoptera)
PISUM:
Acanthoscelides armitagei (Coleoptera)
Ancylostomia stercorea (Lepidoptera)
Fundella pellucens (Lepidoptera)
Lampides boeticus (Lepidoptera)
Laspeyresia nigricana (Lepidoptera)
PLUMERIA:
Coccus viridis (Homoptera)
Conotelus mexicanus (Coleoptera)
Pulvinaria psidii (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
POLIANTHES:
Taeniothrips hawaiiensis (Thysanoptera)
POLYSCIAS:
Phenacoccus gossypii (Homoptera)
PROSOPIS:
Dendrobiella aspera (Coleoptera)
PRUNUS AMYGDALUS:
Aspidiotus destructor (Homoptera)
Ectomyelois ceratoniae (Lepidoptera)
PRUNUS ARMENIACA:
Ceratitis capitata (Diptera)
Ischnodemus diplopterus (Hemiptera)
Porthetria dispar (Lepidoptera)

Hosts and Insects—Continued

PRUNUS DOMESTICA:
Ceratitis capitata (Diptera)
Megalometis chilensis (Coleoptera)
PRUNUS PERSICA:
Anastrepha fraterculus (Diptera)
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Ectomyelois ceratoniae (Lepidoptera)
Eulia auraria (?) (Lepidoptera)
Grapholitha molesta (Lepidoptera)
Ischnodemus diplopterus (Hemiptera)
PRUNUS PERSICA NECTARINA:
Eulia auraria (?) (Lepidoptera)
Euxoa lutescens (Lepidoptera)
PRUNUS SP. (cherry)
Ceratitis capitata (Diptera)
Rhagoletis cerasi (Diptera)
Rhagoletis cingulata (Diptera)
PSIDIUM:
Aleurothrixus floccosus (Homoptera)
Anastrepha mombinpraeoptans (Diptera)
Anastrepha striata (Diptera)
Anastrepha suspensa (Diptera)
Ceratitis capitata (?) (Diptera)
Dacus dorsalis (Diptera)
Selenothrips rubrocinctus (Thysanoptera)
PUNICA:
Ceratitis capitata (?) (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
PYRUS:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
PACHYRHIZUS:
Heterotermes aureus (Isoptera)
QUERCUS:
Curculio elephas (Coleoptera)
Curculio q-griseae (Coleoptera)
Dryocoetes villosus (Coleoptera)
Lyctus brunneus (Coleoptera)
Scobicia chevrieri (Coleoptera)
Trogoxylon impressum (Coleoptera)
RAPHANUS:
Ceutorhynchus erysimi (Coleoptera)
Hellula undalis (Lepidoptera)
RHODODENDRON:
Brevipalpus inornatus (Acarina)
Deroceras reticulatum (Mollusca)
Dialeurodes chittendeni (Homoptera)
Gracilaria azaleella (Lepidoptera)
Masonaphis rhododendri (Homoptera)
Phenacoccus azaleae (Homoptera)
RIBES:
Zophodia convolutella (?) (Lepidoptera)
RODRIGUEZIA:
Tenthecoris distinguendus (Hemiptera)
ROSA:
Ardis sulcata (Hymenoptera)
Arge ochropa (Hymenoptera)
Bryobia cristata (Acarina)
Cladius isomerus (Hymenoptera)
Cladius pectinicornis (Hymenoptera)
Deroceras reticulatum (Mollusca)
Endelomyia aethiops (Hymenoptera)
Frankliniella intonsa (Thysanoptera)
Pentatrichopus tetrarhodus (?) (Homoptera)
Platynota rostrana (?) (Lepidoptera)
Rhagoletis basiola (Diptera)
Sitona lineata (Coleoptera)
Taeniothrips atratus (Thysanoptera)
Taeniothrips vulgatissimus (Thysanoptera)
Thrips fuscipennis (Thysanoptera)
Thrips major (Thysanoptera)
RUBUS:
Asterobemisia carpini (Homoptera)
RUTA:
Trialeurodes vaporariorum (Homoptera)
SACCHARUM:
Trionymus sacchari (Homoptera)
Chilo loftini (Lepidoptera)
Ischnodemus sacchavinorus (Hemiptera)
Opogona subcervinella (Lepidoptera)
Spanogonicus albofasciata (Hemiptera)
"*Targionia*" *sacchari* (Homoptera)
SAMBUCUS:
Rhopalophora incrustata (Coleoptera)
SANSEVIERIA:
Aglossa cuprealis (Lepidoptera)
SCHOMBURGKIA:
Nasutitermes nigriceps (Isoptera)
SEDUM:
Chrysomphalus nigropunctatus (Homoptera)
SESBANIA:
Maruca testulalis (Lepidoptera)
SOIL:
Brachyrhinus cvatus (Coleoptera)
Deroceras reticulatum (Mollusca)
Glycyphagus domesticus (Acarina)
Opogona subcervinella (Lepidoptera)
Tyrophagus infestans (Acarina)
Zonitoides arboreus (Mollusca)
SOLANUM ANDIGENUM:
Glycyphagus domesticus (Acarina)
SOLANUM MELONGENA:
Blissus leucopterus (Hemiptera)
Leucinodes orbonalis (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
SOLANUM TUBEROSUM:
Epicaerus cognatus (Coleoptera)
Reticulitermes flavipes (Isoptera)
SOLANUM (?) SP.:
Neoleucinodes elegantalis (Lepidoptera)
SORBUS:
Argyresthia conjugella (Lepidoptera)
SORGHUM:
Pyrausta nubilalis (Lepidoptera)
Sesamia cretica (Lepidoptera)
Trogoderma granarium (Coleoptera)
SPARTIUM:
Sparteus villosus (?) (Coleoptera)
SPATHOGLOTTIS:
Ferrisia virgata (Homoptera)
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera)
STRELITZIA:
Bradybaena similaris (Mollusca)
Pentalonia nigronervosa (Homoptera)
Vinsonia stellifera (Homoptera)
SYRINGA:
Adozophyes orana (Lepidoptera)
TAMARINDUS:
Caryedon fuscus (Coleoptera)
Ectomyelois ceratoniae (Lepidoptera)
TERMINALIA
Anastrepha mombinpraeoptans
THEOBROMA:
Phenacoccus gossypii (Homoptera)
TIGRIDIA:
Anuraphis tulipae (Homoptera)
TILLANDSIA:
Calligrapha diversa (Coleoptera)
Exptochiomera albomaculata (Hemiptera)
Furcaspis biformis (Homoptera)
Galgupha texana (Hemiptera)
Monanthia monotropidia (Hemiptera)
Vinsonia stellifera (Homoptera)
TRIFOLIUM:
Adelphocoris seticornis (Hemiptera)
Hypera nigrirostris (Coleoptera)
TRITICUM:
Trogoderma granarium (Coleoptera)
TULIPA:
Anuraphis tulipae (Homoptera)
Rhopalosiphoninus tulipaellus (Homoptera)
Trogoderma parabile (Coleoptera)
ULMUS:
Scolytus multistriatus (Coleoptera)
VANDA:
Bradybaena similaris (Mollusca)
Conotelus mexicanus (Coleoptera)
Deroceras reticulatum (Mollusca)
Monomorium destructor (Hymenoptera)
Nysius coenosulus (Hemiptera)
Orchidophilus aterrimus (Coleoptera)
Parlatoria pseudaspidiotus (Homoptera)
Plusia chalcites (?) (Lepidoptera)
Siphanta acuta (Homoptera)
Teleonemia scrupulosa (Hemiptera)

Hosts and Insects—Continued

VICIA:
Bruchus luteicornis (Coleoptera)
Bruchus tristis (Coleoptera)
VIGNA:
Fundella pellucens (Lepidoptera)
VITIS:
Antispila rivillei (?) (Lepidoptera)
Carbula hilaris (Hemiptera)
Ceratitis capitata (Diptera)
Chelymorpha varians (Coleoptera)
Cletus caffer (Hemiptera)
Cletus ochraceus (Hemiptera)
Conoderus rufangulus (Coleoptera)
Iridomyrmex humilis (Hymenoptera)
Leptoglossus chilensis (Hemiptera)
Listroderes costirostris obliquus (Coleoptera)
Naupactus xanthographus (Coleoptera)
Neotermes chilensis (Isoptera)
Nezara viridula (Hemiptera)
Phlyctinus callosus (Coleoptera)
ZANTEDESCHIA:
Frankliniella occidentalis (Thysanoptera)
ZEA:
Chilo loftini (Lepidoptera)
Moodna bisinuella (Lepidoptera)
Pagiocerus fiorii (Coleoptera)
Zeadiatraea lineolata (Lepidoptera)
ZINGIBER:
Monomorium destructor (Hymenoptera)
Pentalonia nigronervosa (Homoptera)

Hosts Unknown

AIRPLANE:
Crambus ligonellus (Lepidoptera)
Dacus dorsalis (Diptera)
Diaphania indica (Lepidoptera)
Leptocorixa acuta (Hemiptera)
Mocis latipes (Lepidoptera)
Noropsis hieroglyphica (Lepidoptera)
Pachnaeus litus (Coleoptera)
Perigea illecta (Lepidoptera)
Platypus rugulosus (Coleoptera)
Tiracola plagiata (Lepidoptera)
Vanessa indica (Lepidoptera)
BAGGAGE:
Chelysoma variabilis (Hemiptera)
Plusia chalcites (Lepidoptera)
Sinozylon conigerum (Coleoptera)
Siphanta acuta (Homoptera)
BARK:
Ernobius mollis (Coleoptera)
Hylurgops palliatus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
BEAN:
Callosobruchus phaseoli (Coleoptera)
Neodrycoetes guianae (Coleoptera)
BOX:
Galgupha punctifer (Hemiptera)
BOX OF TOMATOES:
Dendrobiella aspera (Coleoptera)
BULB:
Arion circumscriptus (Mollusca)
CARDBOARD CRATE:
Nasutitermes corniger (Isoptera)
CLOTHING:
Monomorium destructor (Hymenoptera)
CONEX BOX:
Porthetria dispar (Lepidoptera)
Theba pisana (Mollusca)
DEBRIS:
Heterobostrychus brunneus (Coleoptera)
Iridomyrmex iniquus (Hymenoptera)
DUNNAGE:
Theba pisana (Mollusca)
FLOUR:
Trogoderma sternale (Coleoptera)
FLOWERS:
Adoretus sinicus (Coleoptera)
Deroceras reticulatum (Mollusca)
Frankliniella bispinosa (Thysanoptera)
Frankliniella formosae (Thysanoptera)
FOREST LITTER:
Arctorthezia cataphracta (Homoptera)
FRUIT:
Lepidosaphes carinata (Homoptera)
GREENS:
Aleurocanthus woglumi (Homoptera)
HERBS AND PLANTS:
Aglossa cuprealis (Lepidoptera)
LEAF:
Coccus viridis (Homoptera)
Eucalymnatus tessellatus (Homoptera)
Orthezia pseudinsignis (Homoptera)
Pachyzancla bipunctalis (Lepidoptera)
Protopulvinaria pyriformis (Hymoptera)
LEGUME POD:
"Acanthoscelides" spinipes (Coleoptera)
MACHINERY:
Theba pisana (Mollusca)
MILITARY CARGO:
Metopoplax ditomoides (Hemiptera)
Theba pisana (Mollusca)
MOSS:
Trapezonotus arenarius (Hemiptera)
PARCEL CONTAINING ANTHURIUM AND ORCHID FLOWERS:
Dacus dorsalis (Diptera)
PLANTS:
Aleurocanthus woglumi (Homoptera)
PULPWOOD LOG:
Ips calligraphus (Coleoptera)
QUARTERS:
Argina cribraria (Lepidoptera)
SEED POD:
Mimosestes dominicanus (Coleoptera)
SUCCULENT:
Deroceras reticulatum (Mollusca)
SUITCASE:
Malacosoma castrensis (Lepidoptera)
WOOD:
Cossus cossus (Lepidoptera)
Cryptotermes brevis (Isoptera)
Cryptotermes cavifrons (Isoptera)
Heterobostrychus aequalis (Coleoptera)
Lyctus africanus (Coleoptera)
Pityogenes chalcographus (Coleoptera)
Prostephanus truncatus (Coleoptera)
Sinozylon anale (Coleoptera)
Sinozylon conigerum (Coleoptera)
Sirex noctilio (Hymenoptera)
Xylobiops parilis (Coleoptera)

Countries of Origin and Insects

ALGERIA:
Anuraphis cardui
Ceratitis capitata
Ceutorhynchus erysimi
ANGOLA:
Stephanoderes hampei
ANGUILLA:
Cylas formicarius elegantulus
Phenacoccus parvus
ANTIGUA:
Anastrepha mombinpraeoptans
Asterolecanium miliaris robustum
Buscepes postfasciatus
Pectinophora gossypiella
Vinsonia stellifera
ARGENTINA:
Ceratitis capitata
Epinotia aporema
Phrydenus divergens
AUSTRALIA:
Aspidiotus australiensis
Asterolecanium petrophilae
Glycyphagus domesticus
Lepidosaphes tuberculata
Nezara viridula
AUSTRALIA (?):
Aleuroplatus mammaeferus
AUSTRIA:
Arion circumscriptus
Deroceras reticulatum
AZORES:
Ceratitis capitata
Curculio elephas
Glycyphagus domesticus
Helix aspersa
Laspeyresia splendana
Limax marginatus
Limax maximus
BAHAMAS:
Ancylostomia stercorea
Aspidiotus destructor
Chalcodermus aeneus
Cylas formicarius elegantulus
Ips calligraphus
Pectinophora gossypiella
Vinsonia stellifera
BARBADOS:
"Targonia" hartii
BELGIUM:
Ceutorhynchus pleurostigma
Deroceras reticulatum
Mayetola brassicae
Phytomyza rufipes
Theba pisana
BERMUDA:
Bradybaena similaris
Ceratitis capitata
Deroceras reticulatum
Frankliniella bispinosa
Haplothrips gowdeyi
Iridomyrmex humilis
Pheidole megacephala
Phenacoccus gossypii
Pulvinaria psidii
BRAZIL:
Asterolecanium epidendri
Ceratitis capitata
Chrysomphalus personatus
Deroceras reticulatum
Buscepes postfasciatus
Neoleucinodes elegantalis
Parlatoria cinerea
Pseudaonidia trilobitiformis
BRAZIL (?):
Trogoderma granarium
BRITISH GUIANA:
Nasutitermes corniger
Neodryocoetes guianae
Neoleucinodes elegantalis
Vinsonia stellifera
BRITISH HONDURAS:
Anastrepha ludens
Anastrepha mombinpraeoptans
Nasutitermes nigriceps
Pheidole megacephala
Termes panamaensis
Vinsonia stellifera
CANADA:
Brachyrhinus ovatus
Cladius isomerus
Deroceras reticulatum
Endelomyia aethiops
Parthenothrips dracaenae
Pityogenes chalcographus
Reticulitermes flavipes
Rhagoletis basiola
Scolytus multistriatus
Steneotarsonemus laticeps
CANAL ZONE:
Chalcodermus aeneus
Cryphula fasciatus
Deroceras reticulatum
Ferrisia virgata
Furcaspis biformis
Phenacoccus solani
Tenthecoris distinguendus
Vinsonia stellifera
CAPE VERDE ISLANDS:
Caryedon fuscus (?)
CENTRAL AMERICA:
Anastrepha mombinpraeoptans
CHILE:
Chelymorpha varians
Conoderus rufangulus
Eulia auraria (?)
Euxoa lutescens
Leptoglossus chilensis
Listroderes costirostris obliquus
Megalometis chiliensis
Naupactus xanthographus
Neotermes chilensis
Pentalonia nigronervosa
CHINA:
Chaetococcus bambusae
Cylas formicarius formicarius
Parlatoria zizyphus
Unaspis yanonensis
COLOMBIA:
Anastrepha serpentina
Coccus viridis
Furcaspis biformis
Glycyphagus domesticus
Pagiocerus frontalis
Pentalonia nigronervosa
Platypus rugulosus
COSTA RICA:
Anastrepha mombinpraeoptans
Chelysoma variabilis
Deroceras reticulatum
Helix aspersa
Iridomyrmex iniquus
Limax marginatus
Lygaeus pulchellus
Nasutitermes columbicus
Nasutitermes corniger
Pinnaspis buxi
Puto ulter
Stenoma catenifer
Vinsonia stellifera
CUBA:
Anastrepha mombinpraeoptans
Aspidiotus destructor
Coccus viridis
Cryptotermes brevis
Cryptotermes cavifrons
Cylas formicarius elegantulus
Eucalymnatus tessellatus
Fundella pellucens
Furcaspis biformis
Gynaikothrips ficorum
Moris latipes
Monomorium destructor
Noropsis hieroglyphica
Platynota rostrana
Pectinophora gossypiella
Protopulvinaria pyriformis
Ribua innoxia
Selenothrips rubrocinctus
"Targionia" hartii
"Targionia" sacchari

Countries of Origin and Insects—Continued

CUBA—Continued
Trogoderma inclusum
Unaspis citri
Vinsonia stellifera
CURACAO:
Pectinophora gossypiella
Sacadodes pyralis
DENMARK:
Cladius pectinicornis
Deroceras reticulatum
Ernobius mollis
Phytomyza rufipes
DOMINICAN REPUBLIC:
Aganactesis idecora
Agroiconota propinqua
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Blissus leucopterus insularis
Brevipalpus phoenicis
Cylas formicarius elegantulus
Pectinophora gossypiella
ECUADOR:
Anastrepha mombinpraeoptans (?)
Brevipalpus oncidii
Epilachna paenulata
Epilachna paenulata var.
Ferrisia virgata
Furcaspis biformis
Metamasius sericeus
Monomorium destructor
Porphyrobaphe iostoma
Stenoma catenifer
EGYPT:
Anuraphis tulipae
Bruchus lentis
Ceratitis capitata
Gnorimoschema ocellatella
Hellula undalis
Lixus junci
ENGLAND:
Aceria macrochelus
Anuraphis cardui
Anuraphis tulipae
Blastophagus piniperda
Cossus cossus
Curculio elephas
Deroceras reticulatum
Dryocoetes villosus
Eriophyes canestrinii
Frankliniella intonsa
Helophorus rugosus
Lampetia equestris
Laspeyresia splendana
Mamestra brassicae
Phytomyza rufipes
Pityogenes chalcographus
Sitona lineata
Taeniothrips atratus
Tetranychus telarius
Thrips flavus
Thrips major
EUROPE (?):
Hemimene juliana
FINLAND:
Pityogenes chalcographus
FORMOSA:
Frankliniella formosae
Glycyphagus domesticus
Parlatoria zizyphus
Trogoderma granarium
FRANCE:
Acidia heraclei (?)
Acrolepia assectella
Asterobemisia carpini
Brithys pancratii
Bruchus luteicornis
Ceratitis capitata
Curculio elephas
Deroceras reticulatum
Ernobius mollis
Gnorimoschema ocellatella
Helix aperta
Laspeyresia splendana
Myzus ascalonicus
Parlatoria zizyphus
Pectinophora gossypiella
Pentatrichopus fragaefolii
Phytomyza rufipes
Porthetria dispar
Psylla buxi (?)
Rhagoletis cerasi
Rhagoletis cingulata
FRENCH EQUATORIAL AFRICA:
Stephanoderes hampei
FRENCH WEST AFRICA:
Dacus ciliatus (?)
Stephanoderes hampei
GERMANY:
Ardis sulcata
Arge ochropa
Ceratitis capitata
Deroceras reticulatum
Dialeurodes chittendeni
Ernobius mollis
Frankliniella intonsa
Hylurgops palliatus
Lecanium corni
Mamestra brassicae
Nemapogon granella
Pentatrichopus tetrarhodus (?)
Phytomyza rufipes
Pityogenes chalcographus
Rhagoletis cerasi
Sirex noctilio
Taeniothrips atratus
Tetranychus telarius
Thrips flavus
Thrips fuscipennis
Thrips major
GIBRALTAR:
Ceratitis capitata (?)
GREECE:
"Acanthoscelides" spinipes
Ceratitis capitata
Curculio elephas
Dacus oleae
Ectomyelois ceratoniae
Prays oleellus
Rhagoletis cerasi
Sesamia cretica
GUAM:
Dacus dorsalis
Diaphania indica
Pentalonia nigronervosa
GUATEMALA:
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha striata
Deroceras reticulatum
Exptochiomera oblonga
Farinococcus guatemalensis
Iridomyrmex inigus
Limax maximum
Pseudischnaspis alienus
Puto ulter
Stenoma catenifer
Vinsonia stellifera
HAITI:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Cylas formicarius elegantulus
Frankliniella bispinosa
Pectinophora gossypiella
Protopulvinaria pyriformis
Vinsonia stellifera
HAWAII:
Adoretus sinicus
Araecerus levipennis
Bradybaena similaris
Caryedon fuscus
Ceratitis capitata
Ceroplastes rubens
Coccotrypes carpophagus
Coccus acutissimus
Coccus viridis
Conotelus mexicanus
Cryptophlebia illepida
Dacus cucurbitae
Dacus dorsalis
Deroceras reticulatum

Countries of Origin and Insects—Continued

HAWAII—Continued
Dialeurodes kirkaldyi
Diocalandra taitensis
Ectomyelois ceratoniae
Ereunetis flavistriata
Fiorinia nephelii
Furcaspis biformis
Hyalopeplus pellucidus
Lamellaxis gracilis
Lampides boeticus
Lepidosaphes tokionis
Lepidosaphes tuberculata
Leucaspis cockerelli
Maruca testulalis
Megacerus alternatus
Nysius coenosulus
Orchidophilus aterrimus
Pantomorus godmani
Parlatoria crotonis
Parlatoria pseudaspidiotus
Pealius hibisci
Pectinophora gossypiella
Pentalonia nigronervosa
Pinnaspis buxi
Plusia chalcites
Pseudococcus palmarum
Pseudococcus palmarum oceanicus
Pulvinaria psidii
Sinoxylon conigerum
Siphanta acuta
Sternochetus mangiferae
Taeniothrips hawaiiensis
Teleonemia scrupulosa
Zonitoides arboreus
HONDURAS:
Anastrepha mombinpraeoptans
Cerconota anonella
Galgupha punctifer
Porphyrobaphe iostoma
Tenthecoris bicolor
HONG KONG:
Trogoderma granarium
INDIA:
Ferrisia virgata
Heterobostrychus aequalis
Lyctus africanus
Monomorium destructor
Pulvinaria psidii
Sinoxylon anale
Sinoxylon conigerum
Sternochetus mangiferae
Suidasia medanensis
Systole geniculata
Trogoderma granarium
INDONESIA:
Monomorium destructor
IRAN:
Megastigmus pistaciae
Trogoderma parabile
IRAQ:
Ceratitis capitata
IRELAND:
Deroceras reticulatum
Lampetia equestris
Limothrips cerealium
Psylla mali (?)
Rhopalosiphum crataegellum (?)
Thrips flavus
Thrips major
Tyrophagus infestans
ISRAEL:
Bruchophagus ononis (?)
Ceratitis capitata
Cryptoblabes gnidiella
Gnorimoschema ocellatella
Parlatoria cinerea
ITALY:
Aglossa cuprealis
Antispila rivillei (?)
Brachycerus albidentatus
Brachycerus algirus
Brevipalpus inornatus
Bruchophagus coluteae
Bruchus signaticornis
Bruchus tristis
Ceratitis capitata
Ceroplastes rusci
Cryptoblabes gnidiella
Curculio elephas
Curculio nucum
Dacus oleae
Deroceras reticulatum
Dyspessa ulula
Ectomyelois ceratoniae
Euzophera bigella (?)
Hemimene juliana
Iridomyrmex humilis
Laspeyresia splendana
Megastigmus pistaciae
Parlatoria camelliae
Parlatoria zizyphus
Pieris brassicae
Pyrausta nubilalis
Reticulitermes flavipes
Rhagoletis cerasi
Sesamia cretica
Spanioneura fonscolombei
Sparteus villosus (?)
Tetranychus cinnabarinus
Trialeurodes lauri
Tyrophagus infestans
JAMAICA:
Anastrepha mombinpraeoptans
Anastrepha suspensa
Ancylostomia stercorea
Artipus grisescens
Aspidiotus diffinis
Asterolecanium epidendri
Ectomyelois muriscis
Euscepes postfasciatus
Furcaspis biformis
Mimosestes dominicanus
Pachyzancla bipunctalis
Palaeopus costicollis
Protopulvinaria pyriformis
Tenuipalpus pacificus
Vinsonia stellifera
JAPAN:
Aleurotuberculatus aucubae
Aspidiotus degeneratus
Brevipalpus inornatus
Bryobia cristata
Callosobruchus phaseoli
Carposina sasakii
Ceroplastes rubens
Chilo suppressalis
Chrysomphalus bifasciculatus
Coptotermes formosanus
Deroceras reticulatum
Dialeurodes citri
Dichocrocis punctiferalis
Frankliniella formosae
Grapholitha molesta
Ischnodemus saccharivorus
Lampides boeticus
Lepidosaphes tuberculata
Lepidosaphes tubulorum (as defined by Kuwana)
Microcephalothrips abdominalis
Nezara viridula
Nipponaclerda biwakoensis
Parlatoria camelliae
Pentamerismus oregonensis
Phenacoccus azaleae
Pseudococcus comstocki
Psuedococcus pini
Pulvinaria floccifera
Trionymus sacchari
Unaspis citri
Unaspis euonymi
Unaspis yanonensis
Vanessa indica
Xylosandrus germanus
JOST VAN DYKE:
Ancylostomia stercorea
Chalcodermus aeneus
Fundella pellucens
KUWAIT:
Trogoderma granarium
LEBANON:
Bruchus ervi

Countries of Origin and Insects—Continued

LEBANON—Continued
Dacus oleae
Prays oleellus
LIBERIA:
Stephanoderes hampei
LIBIA:
Cryptoblabes gnidiella
MADEIRA ISLANDS:
Ceratitis capitata (?)
Iridomyrmex humilis
Limax marginatus
MEXICO:
Aleurocanthus woglumi
Aleurothrixus floccosus
Alpheias conspirata
Anastrepha ludens
Anastrepha mombinpraeoptans
Anastrepha serpentina
Anastrepha striata
Aspidiotus destructor
Asterolecanium epidendri
Aufeius impressicollis
Blissus leucopterus
Blissus leucopterus insularis
Cactophagus validirostris
Calligrapha diversa
Capaneus tetricus
Caulophilus latinasus
Cephaloleia atriceps
Chalepus omoger
Chilo loftini
Chrysomphalus nigropunctatus
Chrysomphalus sphaeroides
Cligenes delineata
Coelonertus nigrirostris
Conotrachelus aguacatae
Cosmopolites sordidus
Cryphula apicalis
Curculio g-griseae
Cylas formicarius elegantulus
Dendrobiella aspera
Deroceras reticulatum
Dialeurodes citri
Diorymerellus laevimargo
Dysdercus mimus
Ectomyelois muriscis
Epicaerus cognatus
Epilachna mexicana
Epinotia aporema
Euetheola bidentata
Eurytoma orchidearum
Everes comyntas
Evergestis rimosalis
Exptochiomera albomaculata
Exptochiomera confusa
Frankliniella occidentalis
Galrupha punctifer
Gnorimoschema gudmannella
Helipus lauri
Heliothis subflexa
Heterotermes aureus
Homoeosoma electellum
Lepidosaphes carinata
Lepidosaphes philococcus
Leucoptera coffeella
Limax marginatus
Macropygium reticulare
Metriona erratica angularis
Monanthia monotropidia
Moodna bisinuella
Neosteingelia texana
Noropsis hieroglyphica
Ogdoecosta catenulata
Orthezia cacticola
Orthezia pseudinsignis
Paromius longulus
Parlatoria cinerea
Pectinophora gossypiella
Phenacoccus gossypii
Plagiodera semivittata
Plagiodera thymaloides
Platypus rugulosus
Prostephanus truncatus
Puto ulter
Rhopalophora incrustata
Spanogonicus albofasciata
Stenoma catenifer
Talponia batesi
"Targionia" bromiliae
Tenthecoris angustimarginatus
Tenthecoris bicolor
Tenthecoris confusus
Tetranychus desertorum
Texananus spatulatus
Thecla ziba
Trialeurodes vaporariorum
Trogoderma parabile
Trogoderma sternale
Unaspis citri
Xylobiops parilis
Xylobiops texanus
MONTSERRAT:
Monomorium destructor
MOROCCO:
Acrolepia assectella
Bouhelia maroccana
Lyctus brunneus
Malacosoma castrensis
Metopoplax ditomoides
Phorodon menthae
Scobicia chevrieri
Theba pisana
Trogoxylon impressum
MOZAMBIQUE:
Lampides boeticus
NETHERLANDS:
Adoxophyes orana
Anuraphis tulipae
Deroceras reticulatum
Dialeurodes chittendeni
Gracilaria azaleella
Lecanium corni
Limax marginatus
Masonaphis rhododendri
Periphyllus californiensis
Phytomyza rufipes
Psylla buxi
Rhagoletis cerasi
Rhopalosiphoninus tulipaellus
Taeniothrips atratus
Trogoderma parabile
NETHERLANDS GUIANA:
Maruca testulalis
NEW GUINEA:
Nysius vinitor
NICARAGUA:
Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Anastrepha serpentina
Pseudischnaspis bowreyi
Pseudischnapsis longissima
Stenoma catenifer
NIGERIA:
Leucinodes orbonalis
NORTHERN IRELAND:
Steneotarsonemus laticeps
NORWAY:
Argyresthia conjugella
Pityogenes chalcographus
Trapezonotus arenarius
PAKISTAN:
Trogoderma granarium
PANAMA:
Acanthoscelides armitagei
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Aulacaspis mangiferae
Cerconota anonella
Furcaspis biformis
Leucaspis cockerelli
Mecolaemus carvalhoi (?)
Stenoma catenifer
Vinsonia stellifera
PANAMA (?)
Maruca testulalis
PERU:
Anastrepha fraterculus
Dinoderus bifoveolatus
Mescinia peruella

Countries of Origin and Insects—Continued

PHILIPPINES:
Aspidiotus destructor
Caryedon fuscus
Coccus viridis
Cylas formicarius
Ectomyetois ceratoniae
Ferrisia virgata
Hellula undalis
Pseudococcus lilacinus
Pyrausta nubilalis
PHILIPPINES (?):
Sternochetus mangiferae
POLAND:
Nemapogon granella
PORTUGAL:
Aglossa cuprealis
Anuraphis tulipae
Bruchus luteicornis
Bryobia sarothamni
Curculio elephas
Deroceras reticulatum
Laspeyresia splendana
Opogona subcervinella
Parlatoria camelliae
Rhagoletis cerasi
Taeniothrips ericae
Tetralicia ericae
PUERTO RICO:
Anastrepha mombinpraeoptans
Anastrepha striata
Anastrepha suspensa
Ancylostomia stercorea
Crambus ligonellus
Cylas formicarius elegantulus
Maruca testulalis
Pachyzancla periusalis
Pectinophora gossypiella
Protopulvinaria longivalvata
Vinsonia stellifera
ST. KITTS:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Fundella pellucens
"Targionia" sacchari
ST. LUCIA:
Protopulvinaria pyriformis
ST. MARTIN:
Anastrepha mombinpraeoptans
ST. THOMAS:
Caryedon fuscus
ST. VINCENT:
Opogona subcervinella
SALVADOR:
Anastrepha mombinpraeoptans
Anastrepha striata
Leucaspis cockerelli
Stenoma catenifer
Vinsonia stellifera
SCOTLAND:
Arclorthezia cataphracta
Gelechia ericetella
Micrelus ericae
Orthotylus ericetorum
Phytomyza rufipes
Taeniothrips atratus
Taeniothrips ericae
Taeniothrips vulgatissimus
Thrips flavus
Thrips fuscipennis
SIERRA LEONE:
Cylas puncticollis
Heterobostrychus brunneus
SOUTH AMERICA:
Ceratitis capitata
SPAIN:
Acrolepia assectella
Brachycerus algirus
Ceratitis capitata
Chilo suppressalis
Curculio elephas
Dyspessa ulula
Laspeyresia nigricana
Laspeyresia splendana
Pentamerismus coronatus
Rhagoletis cerasi
STRAITS SETTLEMENTS:
Ferrisia virgata
Furcaspis biformis
Trogoderma granarium
SWEDEN:
Ernobius mollis
Hylurgops palliatus
Lecanium corni
Pityogenes chalcographus
Zophodia convolutella (?)
SWITZERLAND:
Adelphocoris seticornis
Hypera nigrirostris
Sparteus villosus
SYRIA:
Pectinophora gossypiella
TAHITI:
Aspidiotus destructor
Dialeurodes kirkaldyi
Morganella longispina
THAILAND:
Cylas formicarius ssp.
Parlatoria zizyphus
TORTOLA:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Euscepes postfasciatus
TRINIDAD:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Callosobruchus phaseoli
Furcaspis biformis
Maruca testulalis
Talponia batesi
Vinsonia stellifera
TRIPOLI:
Theba pisana
UNION OF SOUTH AFRICA:
Carbula litigatrix
Ceratitis capitata
Cletus caffer
Cletus ochraceus
Epichorista ionephela
Iridomyrmex humilis
Ischnodemus diplopterus
Nezara viridula
Phlyctinus callosus
UNKNOWN:
Anastrepha mombinpraeoptans
Argina cribraria
Arion circumscriptus
Ceratitis capitata
Metamasius sericeus
Pachnaeus litus
Parlatoria cinerea
Parlatoria zizyphus
Perigea illecta
Porthetria dispar
Rhagoletis cerasi
VENEZUELA:
Anastrepha mombinpraeoptans (?)
Bephrata maculicollis
Maruca testulalis
Pachnaeus litus
Platynota rostrana
Stenoma catenifer
Theba pisana
Unaspis citri
Zeadiatraea lineolata
WEST PACIFIC:
Leptocoriza acuta
Tiracola plagiata
YUGOSLAVIA:
Pyrausta nubilalis

Pests collected and reported from July 1, 1956, through June 30, 1957

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Alternaria citri Ell. & Pierce:					
Citrus sinensis (orange)	Spain	----	1		P. R.
‡*Alternaria dauci* (Kuehn) Groves & Skolko:					
Coriandrum sativum (coriander)	Puerto Rico	1	----	----	P. R.
Alternaria dianthi F. L. Stevens & J. G. Hall:					
Dianthus caryophyllus (carnation)	Mexico	1	----	----	Tex.
†*Alternaria dianthicola* Neerg.:					
Dianthus caryophyllus (carnation)	Germany, Palestine	2	----	----	Mass., Pa.
†*Aphelenchioides bicaudatus* Imamura:					
Soil around violet roots	Costa Rica	----	----	1	Fla.
†*Aphelenchoides coffea* Goodey:					
Soil around roots of bloodleaf plant	----do	----	----	1	Fla.
†*Aphelenchoides hunti* Steiner:					
Soil with carnation plants	Azores	----	----	1	Mass.
†*Ascochyta pisi* Lib.:					
Glycine max (soybean)	Japan	----	1	----	Pa.
†*Asterosporium hoffmanni* Kunze:					
Betula medwediewi	France	----	----	1	D. C.
Camarosporium orchidicola Cash & Watson:					
Orchid	Guatemala	----	----	1	Tex.
Ceratocystis radicicola (Bliss) Moreau:					
Cocos nucifera (coconut)	Mexico	1	----	----	Calif.*
†*Cercospora apii* Fres.:					
Erynqium foetidum	Puerto Rico	3	----	----	P. R.
†*Cercospora coffeicola* Berk. & Cke.:					
Coffea sp. (coffee)	Dominican Republic	1	----	----	Fla.*
†*Cercospora handelii* Bub.:					
Rhododendron sp.	England	----	----	1	N. J.
Cercospora mangiferae Koord.:					
Mangifera indica (mango)	Mexico	1	----	----	Tex.
†*Cercospora musae* Zimm.:					
Musa sp.	Marquesas Islands	1	----	----	Calif.*
‡*Cercospora panacis* Thirum. & Chupp (?):					
Nothopanax sp.	Australia	----	1	----	Hawaii.
Cercospora purpurea Cke.:					
Persea americana (avocado)	Mexico	2	----	----	Tex.
Cerebella andropogonis Ces.:					
Paspalum dilatatum (Dallis grass)	Australia	----	----	1	S. C.
†*Chlamydomyces palmarum* (Cke.) Mason:					
Araucaria excelsa (Norfolk-Island-pine)	Norfolk Island	----	----	1	Calif.*
Chrysomyxa ledi d By. var. *rhododendri* (d By.) Savile:					
Rhododendron ferrugineum (rock rhododendron).	Switzerland	27	----	3	N. J., N. Y.
Rhododendron hirsutum (garland rhododendron).	Germany, Switzerland	1	1	----	N. J., Pa.
Rhododendron sp.	Austria, Germany, Switzerland.	----	9	3	Calif.*, Mich., N. J. N. Y.
‡*Cladosporium fasciculare* Fr. (?):					
Allium porrum (leek)	Germany	----	1	----	Calif.*
Coleosporium bletiae Diet.:					
Calanthe alismaefolia	India	----	----	1	N. J.
Coleosporium dahliae Arth.:					
Dahlia sp.	Mexico	1	----	----	Tex.
Coleosporium solidaginis (Schw.) Thuem.:					
Aster sp.	Japan	----	1	----	Wash.
Pinus resinosa (red pine)	Canada	----	----	1	N. Y.
Colletotrichum agaves Cav.:					
Agave sp.	Italy, Mexico	----	----	2	Ariz., N. J.
†*Colletotrichum arecae* Syd.:					
Areca cathecu (betel palm)	Philippines	1	----	----	Hawaii.
Colletotrichum cajani Rangel:					
Cajanus cajan (pigeonpea)	Puerto Rico, St. Kitts	2	----	----	P. R.
Colletotrichum capsici (Syd.) Butr. & Bisby:					
Capsicum frutescens (pepper)	Mexico, Puerto Rico	2	----	----	P. R., Tex.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Colletotrichum cliviae (Oud.) Petr.:					
Clivia sp.	Belgium			1	N. J.
†*Colletotrichum coffeanum* Noack:					
Gardenia augusta (gardenia)	Mexico	1			Tex.
Colletotrichum philodendri P. Henn.:					
Philodendron cordatum	†Germany			1	N. J.
Philodendron sp.	Mexico			2	Ariz.
†*Colletotrichum trichellum* Duke:					
Hedera helix (English ivy)	Italy		1		Pa.
Colletotrichum zingiberis Butl. & Bisby:					
Zingiber officinale (ginger)	China	1			Calif.*
‡*Coniothecium glumarum* Sacc.:					
Dactylis glomerata	Netherlands			1	D. C.
Coniothyrium cytisellum (Pass. & Thuem.) Sacc.:					
Laburnum watereri	do			3	N. J.
†*Coniothyrium genistae* (Roum.) Bub. & Vogl.:					
Genista sp.	Portugal			1	D. C.
‡*Coniothyrium leguminum* (Rab.) Sacc.:					
Cytisus sp.	do			1	D. C.
‡*Corynespora cassiicola* (Berk. & Curt.) Wei:					
Palm	Mexico	2			Tex.
Coryneum carpophilum (Lev.) Jauch.:					
Prunus amygdalus (almond)	Italy			1	Mass.
Prunus armeniaca (apricot)	France, unknown	1	2		Mass., N. Y.
†*Coryneum microstictoides* Sacc. & Penz.:					
Paeonia sp. (peony)	Netherlands			1	N. J.
†*Coryneum microstictum* Berk. & Br.:					
Rubus sp.	Morocco		1		Pa.
‡*Criconemoides mutabile* Taylor:					
Palm	Mexico			1	Tex.
‡*Criconemoides xenoplax* Raski:					
Soil with an unknown tree	Japan			1	N. Y.
†*Cronartium quercuum* (Berk.) Shirai:					
Quercus emoryi (emory oak)	Mexico	1			Ariz.
‡*Cryptosphaeria eunomia* (Fr.) Grev.(?):					
Twig—unknown	do	1			Ariz.
Cryptospora longispora Servazzi:					
Araucaria excelsa (Norfolk-Island-pine)	Australia, Norfolk Island.			8	Calif.* Fla.
Cumminsiella mirabilissima (Pk.) Nannf.:					
Mahonia aquifolium Darkpurple	Netherlands			1	D. C.
Mahonia aquifolium Vicar	do			1	D. C.
Mahonia sp.	Norway	1			N. Y.
Cylindrosporium chrysanthemi Ell. & Dearn.:					
Chrysanthemum sp.	Japan			1	D. C.
Cytospora ambiens Sacc.:					
Acer platanoides (Norway maple)	England			1	N. J.
Cytospora sacchari Butl.:					
Saccharum officinarum (sugarcane)	Mexico	1			Tex.
Diaporthe eres Nits.:					
Araucaria excelsa (Norfolk-Island-pine)	†Norfolk Island			1	Calif.*
Chaenomeles sp.	Netherlands			1	N. J.
Ginkgo biloba (ginkgo)	France			1	N. J.
Rosa sp.	†Northern Ireland			1	Wash.
‡*Didymellina ornithogali* Jacques:					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	1			N. Y.
Diplodia taxi (Fr.) de N.:					
Taxus cuspidata (Japanese yew)	Japan			1	Wash.
Diplodina eurhododendri Voss:					
Rhododendron laetevirens	Netherlands			1	N. J.
Discosia artocreas Fr.:					
Camellia japonica (camellia)	Japan			2	Calif.*
Camellia reticulata	do			2	Calif.*
Camellia sp.	do			1	Calif.*
Ditylenchus dipsaci (Kuhn) Filip.:					
Allium sativum (garlic)	Italy, Mexico, Spain	7			Ariz., Mass., P. R., Tex.
Narcissus sp.	England			1	N. J.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
‡*Echidnodes bromeliacearum* (Rehm) Th. & Syd.:					
Bromeliad	Mexico	----	----	1	Tex.
Elsinoe australis Bitanc. & Jenkins:					
Citrus aurantifolia (sweet lime)	Brazil	----	1	----	La.
Citrus limon (lemon)	Argentina, Brazil	----	16	----	Calif.*
Citrus paradisi (grapefruit)	do	----	3	----	Ala., N. Y.
Citrus sinensis (orange)	do	----	39	----	Ala., Calif.*, La., Md., Mass., N. Y. Pa., Tex.
Elsinoe mangiferae Bitanc. & Jenkins:					
Mangifera indica (mango)	†Brazil, †Cuba, Mexico.	3	----	----	N. Y., P. R. Tex.
Elsinoe phaseoli Jenkins:					
Phaseolus lunatus (civet bean)	Puerto Rico	1	----	----	P. R.
Phaseolus lunatus macrocarpus (lima bean)	do	1	----	----	Ill.
Epicoccum cocos F. L. Stevens:					
Cocos nucifera (coconut)	Wake Island(?)	1	----	----	Hawaii.
Erwinia citrimaculans (Doidge) Magrou:					
Citrus limon (lemon)	Italy	----	1	----	Wash.
Exobasidium vaccinii (Fckl.) Wor.:					
Rhododendron indicum	Belgium	----	----	1	N. J.
‡*Fusarium oxysporum* Schlect. f. *batatas* (Wr.) Snyd. & Hans.:					
Ipomoea batatas (sweetpotato)	Argentina	----	1	----	Tex.
Fusarium oxysporum Schlect. f. *gladioli* (Massey) Snyd. & Hans.:					
Gladiolus sp.	Mexico, Netherlands	1	----	3	Ariz., Calif.*, Tex.
†*Fusarium oxysporum* Schlect. f. *narcissi* (Cke. & Mass.) Snyd. & Hans.(?):					
Galanthus sp.	Turkey	----	----	1	N. Y.
Fusarium solani (Mart.) Appel & Wr.:					
Schomburgkia sp. (orchid)	Mexico	----	----	1	Tex.
Fusicladium pyracanthae (Otth.) Rostr.:					
Pyracantha coccinea	Netherlands	----	----	1	N. J.
Pyracantha sp.	do	----	----	1	N. J.
Fusicoccum galericulatum (Tul.) Sacc.:					
Fagus sylvatica riversii	do	----	----	1	N. J.
‡*Gloeosporium album* Osterw.:					
Malus sylvestris (apple)	Australia, Germany, Italy, Netherlands.	----	5	----	Pa.
Gloeosporium rhododendri Briosi & Cav.:					
Rhododendron lapponicum	Netherlands	----	----	1	N. J.
Rhododendron sp.	do	----	----	2	N. J.
Gymnosporangium haraeanum Syd.:					
Juniperus chinensis (Chinese juniper)	Japan	----	----	1	Calif.*
Juniperus sp.	do	----	----	1	Calif.*
†*Gymnosporangium juniperi* Lk.:					
Sorbus aucuparia (European mountain-ash)	Norway	1	----	----	N. Y.
‡*Helicotylenchus erythrinae* (Zimmermann) Golden:					
Soil with amaryllis bulbs	Portugal	----	----	1	Mass.
Soil with dahlia roots	Scotland	----	----	1	Mass.
Soil with gladiolus corms and lily bulbs	Italy	----	----	1	Mass.
Soil with olive and citrus trees	do	----	----	1	N. Y.
Soil with unknown plants	Canada	----	----	1	Mass.
‡*Helicotylenchus multicinctus* (Cobb) Golden:					
Allium porrum (leek)	Australia	----	1	----	Mass.
Fern	Mexico	----	----	1	Tex.
Soil with bloodleaf plant	Costa Rica	----	----	1	Fla.*
Helicotylenchus nannus Steiner:					
Allium porrum (leek)	†Australia	----	1	----	Mass.
Begonia sp.	Mexico	----	----	1	Tex.
Begonis, fuchsia, and unknown cuttings	†Greece	----	----	1	Mass.
Colocasia esculenta (dasheen)	†Azores	1	----	----	Mass.
Phalaris sp.	†Union of South Africa	----	----	1	La.
Philodendron sp.	Mexico	----	----	2	Ariz., Tex.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Helicotylenchus nannus Steiner:—Continued					
Soil with begonia and crassulaceous plants	Azores			1	Mass.
Soil with heather	†Scotland			1	Mass.
Soil with mint plants	†Cuba			1	Fla.*
Soil with rhododendron plants	Scotland			1	Mass.
Soil with sansevieria plants	†Haiti			1	Fla.*
Soil with an unknown seedling	Mexico			1	Ariz.
Soil with an unknown plant	†Jamaica			1	Fla.*
Soil with succulent plant	Mexico			1	Ariz.
Helminthosporium torulosum (Syd.) Ashby: *Musa paradisiaca* (plantain)	Dominican Republic	1			P. R.
Hendersonia agaves Maubl.: *Agave* sp.	Mexico	1			Ariz.
Hendersonia citri McAlp.: *Citrus aurantifolia* (sweet lime)	do			1	Tex.
‡*Hendersonia foliorum* Fckl. var. *viburni* Sacc.: *Viburnum rhytidophyllum*	Netherlands			1	Wash.
Hendersonia opuntiae Ell. & Ev.: Cactus	Mexico			1	Ariz.
‡*Hendersonia piriformis* Otth. (?): *Fagus sylvatica* Purple	Netherlands			1	N. J.
Hendersonia yuccae Kickx: *Yucca* sp.	Mexico			1	Ariz.
Heterodera cacti Filip. & Schurr. Stek.:					
Soil	Mexico	4			Ariz., Tex.
Soil with begonia plants	do	1		4	Tex.
Soil with *Bryophyllum* sp. plants	do			1	Tex.
Soil with unknown bulbs	do			1	Ariz.
Soil with cacti plants	Germany, Italy, Mexico, †New Zealand.			22	Ill., N. Y., Tex.
Soil with cactus plant and geranium cutting	Mexico			1	Tex.
Soil with cactus-type plant and *Crassula argentea*	France			1	N. Y.
Soil with chrysanthemum plants	Mexico			1	Tex.
Soil with citrus seedlings	do			1	Ariz.
Soil with coleus plants	do			1	Ariz.
Soil with coleus and geranium cuttings	do	1			Tex.
Soil with dahlia roots	do			1	Ariz.
Soil with fern plants	do	1		2	Tex.
Soil with potted flower	do			1	Tex.
Soil with gardenia plant	do	1			Tex.
Soil with gardenia and succulent plants	do			1	Tex.
Soil with garlic	do	1			N. Y.
Soil with ice plant	do	1			Tex.
Soil with laurel plant	do			1	Tex.
Soil with medicinal herb	do	1			Ariz.
Soil with *Mesembryanthemum* sp. plant	do			1	Tex.
Soil with mint plants	do			3	Tex.
Soil with onions in railway car	do		1		Tex.
Soil with palm	do	1			Tex.
Soil with philodendron plants	do			1	Tex.
Soil with *Pilea* sp., narcissus, and succulent plants	do			1	Tex.
Soil with portulaca plants	do	3		2	Tex.
Soil with potatoes	do		11		Calif., Tex.
Soil with "queen's wreath" plants	do	2			Tex.
Soil from railway car sweepings	do		3		Tex.
Soil with rue plants	do	1		2	Tex.
Soil with selaginella plants	do			1	Tex.
Soil with stonecrop plants	France, Italy			2	N. Y.
Soil with succulent plants	Mexico			3	Tex.
Soil with unknown plants	do	6		23	Ariz., Tex.
‡*Heterodera carotae* Jones (?):					
Soil with carrots	Germany		1		Fla.*
Heterodera major (O. Schmidt) Franklin:					
Soil with automobile	France	1			N. Y.
Soil with bagging	England, France, Italy, Netherlands, Scotland.	8			N. Y.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Heterodera major (O. Schmidt) Franklin:—Con.					
Soil with bleeding heart and mimosa plants	England			1	N. Y.
Soil with chrysanthemum and geranium plants	France			1	N. Y.
Soil with *Cymbalaria* sp. plant	Ireland			1	N. Y.
Soil with garlic bulbs	Spain	1			N. Y.
Soil with geranium plants	England			1	N. Y.
Soil with horseradish	Denmark	1			N. Y.
Soil with hydrangea	England			1	N. Y.
Soil with jute bagging	Sweden	1			N. Y.
Soil with leeks	France		1		N. Y.
Soil with lily bulbs	do			1	N. Y.
Soil with lily-of-the-valley pips	Germany			1	N. Y.
Soil with military surplus axles etc.	Belgium	1			N. Y.
Soil with potted plants	Italy			1	N. Y.
Soil with potatoes	Denmark, England		3		Fla.*, La., Va.
Soil with shallots	Netherlands	1			N. Y.
Heterodera punctata Thorne:					
Soil	Belgium, Germany, Iceland, Ireland, Mexico.	6			N. Y., Pa., Tex., Va.
Soil with automobiles	England, Germany, Iceland, unknown.	17			Ala., Mass., N. Y., Tex., Va.
Soil with bagging	Scotland	1			N. Y.
Soil with carnation plants	England			1	N. Y.
Soil with carnation and primrose plants and tuberose bulbs	do			1	Mass.
Soil with chrysanthemum plants	do			2	Mass., N. Y.
Soil with coleus plants	Norway			1	N. Y.
Soil with cyclamen plants	England			1	N. Y.
Soil with fig plants	Italy			1	N. Y.
Soil with geranium plants	England			1	N. Y.
Soil with jasmine plants	Italy			1	N. Y.
Soil with *Nepeta heteracea* plants	England			1	N. Y.
Soil with oak timber	do	1			Mass.
Soil with potatoes	Mexico, Netherlands		4		Tex., Va.
Soil with primula, stonecrop, viburnum, & etc. plants	England			1	N. Y.
Soil with unidentified plants	England, Germany, Mexico.			3	N. Y., Tex.
Heterodera rostochiensis Wr.:					
Soil	†Iceland	1			Va.
Soil with amaryllis, euonymus, and oxalis plants	Ireland			1	Mass.
Soil with asparagus fern	do			1	N. Y.
Soil with automobiles	England, Europe, Germany.	7			Mass., N. Y.
Soil with bagging	England, Netherlands, Scotland.	15			Md., N. Y.
Soil with beets	Belgium		1		La.
Soil with blackberry plants	Scotland			1	N. Y.
Soil on boots	Ireland	1			Mass.
Soil with miscellaneous bulbs	England			1	N. Y.
Soil with carnation plants	do	1		1	N. Y.
Soil with carrots	England, Germany		2		Fla.*, La.
Soil with chrysanthemum plants	England			2	N. Y.
Soil with dahlia roots	England, Ireland			2	Ill., N. Y.
Soil with daisy plants	England			1	N. Y.
Soil with delphinium plants	do			1	N. Y.
Soil with gardenia and a succulent plant	Mexico			1	Tex.
Soil with garlic	Argentina	5			N. Y.
Soil with geranium plants	Ireland			1	Mass.
Soil with gladiolus corms	Netherlands			1	N. Y.
Soil with heath plants	England			1	N. Y.
Soil with heather plants	Scotland			5	Mass., N. Y.
Soil with hibiscus and orchid plants	Mexico			1	Tex.
Soil with hyacinth plant	Germany			1	N. Y.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Heterodera rostochiensis Wr.:—Continued					
Soil with hydrangea plant	England			1	N. Y.
Soil with ivy plant	Ireland			1	N. Y.
Soil with jute bags	Scotland	1			N. Y.
Soil with laurel plant	Ireland			1	N. Y.
Soil with lily bulbs, carnation, peony, and rose plants	Germany			1	N. Y.
Soil with lily-of-the-valley, hyacinth, lily, and tulip plants	England			1	Mass.
Soil with myrtle plant	Germany			1	N. Y.
Soil with *Nepeta hederacea* plants	England			1	N. Y.
Soil with potatoes	†Ecuador, England, Greece, Peru, Scotland.		5	1	La., Mass., Pa.
Soil with potatoes with heather	Scotland	3			N. Y.
Soil with shamrock plants	England, Ireland	1		1	Ill., N. Y.
Soil with strawberry plants	Ireland			1	N. Y.
Soil with succulent plants	Mexico			1	Tex.
Soil with unidentified plants	England, Germany, Mexico.	1		6	N. Y., Tex.
Soil with violet plants	Germany			1	Ill.
Soil with wallflower plants	Scotland			1	N. Y.
†*Heterodera schachtii* Schmidt: Soil with potatoes	Spain, Sweden		2		Calif.*
Heterosporium allii Ell. & Martin: *Allium porrum* (leek)	Germany		1		Calif.*
†*Heterosporium echinulatum* (Berk.) Cke.: *Dianthus caryophyllus* (carnation)	Colombia	1			Fla.*
†*Heterosporium iridis* (Fautr. & Roum.) Jacques: *Iris* sp.	Canada			1	Mich.
‡*Hypocrella sloaneae* Pat.: *Chamaedorea oblongata*	Mexico	1			Tex.
Chamaedorea sp.	do	2			Tex.
"Leprosis": *Citrus limon* (lemon)	†Peru		1		Mass.
Citrus sinensis (orange)	Mexico	6			Ariz., Tex.
†*Leptosphaeria culmifraga* (Fr.) Ces. & de N.: *Oryza sativa* (rice)	Japan	1			Hawaii.
Leptosphaeria niessleana Rab.: Orchid	Mexico			1	Ariz.
Leptosphaeria sacchari B. de Haan: *Saccharum officinarum* (sugarcane)	do	1			Tex.
†*Leptosphaeria salvinii* Catt.: *Oryza sativa* (rice)	Thailand	1			N. Y.
†*Lophodermium arundinaceum* (Fr.) Chev.: *Phragmites* sp.	Czechoslovakia	1			Ill.
Macrophoma araucariae De Lac: *Araucaria excelsa* (Norfolk-Island-pine)	Australia, †Germany, Norfolk Island.			6	Calif.*
†*Macrophoma cocos* Pass.: *Cocos nucifera* (coconut)	Mexico	2	1		Calif.*
†*Macrophoma musae* (Cke.) Berl. & Vogl.: *Musa* spp.	Tahiti	1			Calif.*
Macrophoma oleae (DC.) Berl. & Vogl.: *Olea europaea* (olive)	Italy	1			Mich.
‡*Mainsia variabilis* (Mayor) Jacks. & Holw.: *Rubus* sp.	Colombia			1	D. C.
Marssonina juglandis (Lib.) Magn.: *Juglans* sp. (walnut)	Italy	1			Mass.
†*Marssonina populi* (Lib.) Magn.: *Populus* sp. (poplar)	Mexico			1	Tex.
‡*Melampsora populnea* (Pers.) Karst.: *Populus tremula* (European aspen)	Germany	1			Pa.
Melanospora zamiae Cda.: *Zingiber officinale* (ginger)	China, Japan	2			Calif.*
‡*Meliola acervata* Ell. & Ev.: *Physalis peruviana* (Peruvian groundcherry)	Hawaii	1			Hawaii.

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Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Meliola citricola Syd.:					
Citrus grandis	Thailand		1		Calif.*
Citrus limon (lemon)	†Australia	1			Calif.*
Citrus reticulata (Mandarin orange)	Japan	1			Hawaii.
Meloidogyne arenaria (Neal) Chitwood:					
Caladium candidum	Guatemala			2	N. J.
Caladium sp.	†Dominican Republic			1	P. R.
Dahlia sp.	Japan			1	Wash.
Rauwolfia serpentina	†Thailand			1	D. C.
Solanum tuberosum (potato)	Chile, †Ecuador, †Peru		4		La., Pa.
‡*Meloidogyne arenaria* (Neal) Chitwood *thaemsi* Chitwood:					
Gladiolus sp.	Japan			1	N. Y.
Meloidogyne hapla Chitwood:					
Calamintha grandiflora	†England			1	N. J.
Chrysanthemum maximum (Pyrenees chrysanthemum).	do			1	N. J.
Clematis sp.	Netherlands			2	N. J.
Dahlia sp.	†Australia			1	Calif.*
Excoecaria crenulata	Japan			1	D. C.
Iris kaempferi (Japanese iris)	do			1	N. J.
Ornithogalum sp.	†Union of South Africa			1	N. Y.
Paeonia suffruticosa (tree peony)	Japan			1	Calif.*
Rosa sp. (rose)	Germany			1	N. J.
Solanum tuberosum (potato)	†Belgium		1		N. Y.
Viburnum odoratissimum	Japan			1	D. C.
Viola eizanensis	do			1	Wash.
Meloidogyne incognita (Kofoid & White) Chitwood:					
Aloe sp.	Jamaica			1	Fla.*
Calla spp.	Japan			1	N. J.
Dioscorea discolor (whiteband yam)	Canada			1	N. J.
Gardenia augusta (gardenia)	Germany			1	N. J.
Monstera sp.	Mexico			1	Ariz.
Rhynchosia pyramidalis	†Dominican Republic	1			Fla.
Sansevieria spp.	†Union of South Africa			1	D. C.
Soil around violet roots	Costa Rica			1	Fla.*
Solanum tuberosum (potato)	†Chile		1		Pa.
Meloidogyne incognita (Kofoid & White) Chitwood *acrita* Chitwood:					
Allium porrum (leek)	†French West Africa		1		Mass.
Calathea sp.	†Canal Zone			1	Calif.*
Canna sp.	Mexico			1	Ariz.
Hibiscus sp.	†Bahamas			1	Fla.
Lilium sp. (lily)	Mexico			1	Tex.
Polygala paniculata	†Martinique	1			P. R.
Soil with unidentified plants	†Costa Rica			1	Tex.
Soil with succulent plants	Mexico			1	Tex.
Solanum tuberosum (potato)	Brazil		2		Pa., Va.
Wilkesia gymnoxiphium	†France			1	D. C.
Meloidogyne javanica (Treub.) Chitwood:					
Asparagus myriocladus	Japan			1	Calif.*
Bulb—unknown	Mexico			1	Ariz.
Caladium sp.	†Dominican Republic			1	P. R.
Freesia sp.	Italy			1	N. Y.
Gerbera sp.	†India			1	N. J.
Hedychium coronarium (gingerlily)	†Hawaii			1	Hawaii.
Kaempferia rotunda	India			2	Calif.*
Ornithogalum sp.	Union of South Africa			2	N. Y.
Plants—unidentified	Mexico			2	Ariz., Tex.
Polianthes tuberosa (tuberose)	India			1	N. Y.
Polianthes sp.	do			1	N. J.
Rauwolfia sumatrana	†Thailand			1	D. C.
Solanum tuberosum (potato)	†Brazil		2		Mass., Va.
Tecoma spp.	do			1	N. J.
Thunbergia mysorensis	†Jamaica			1	Fla.
Xanthosoma sp. (malanga)	†Cuba		1		La.
Zantedeschia aethiopica (calla lily)	Japan			2	Calif.*
Zingiberaceae	†Hong Kong			1	N. J.

See footnotes at end of table.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Microdiplodia agaves (Niessl.) Petr.:					
Agave sp.	Mexico	1			Ariz.
†*Monilinia fructicola* (Wint.) Honey:					
Malus sylvestris (apple)	Denmark		1		Calif.*
Monilinia fructigena (Aderh. & Ruhl.) Honey:					
Malus sylvestris (apple)	England	1	1		Pa.
Pyrus communis (pear)	Netherlands		1		Pa.
Monilinia laxa (Aderh. & Ruhl.) Honey:					
Prunus domestica (plum)	†Belgium		1		Pa.
Sorbus decora nana	England			1	N. J.
†*Monochaetia paeoniae* (Maubl.) Sacc. & D. Sacc.:					
Paeonia sp. (peony)	Netherlands			1	N. J.
Mycosphaerella cattleyae Cash & Watson:					
Epidendrum sp. (orchid)	†Ecuador			1	Fla.
Orchid	Costa Rica, †New Guinea			2	Calif.*, P. R.
Mycosphaerella fragariae (Tul.) Lindau:					
Fragaria sp. (strawberry)	Germany, Italy			2	Ill., Mass.
Mycosphaerella schoenoprasi (Ces. & de N.) Schroet.:					
Allium cepa (onion)	Japan		1		Hawaii.
Allium fistulosum (Welsh onion)	do		13		Pa.
Allium sp.	do		1		Calif.*
†*Myiocopron orchidearum* (Mont.) Sacc.:					
Cymbidium sp. (orchid)	New Guinea			1	Calif.*
Omphalia flavida (Cke.) Maubl. & Rangel:					
Gardenia augusta (gardenia)	Mexico	1			Calif*
Ophiobolus graminis Sacc.(?):					
Triticum aestivum (wheat)	France	1			N. Y
‡*Ophiobolus oryzinus* Sacc.:					
Oryza sativa (rice)	Japan	1			Calif.*
Ophiodothella orchidearum Cash & Watson:					
Orchid	Mexico			1	Tex.
†*Papularia sphaerosperma* (Lk.) v. Hoehn.:					
Phragmites communis	France			1	Calif.*
†*Papularia vinosa* (Berk. & Curt.) Mason:					
Laurus nobilis (Grecian laurel)	Portugal	1			Pa.
†*Papulaspora parasitica* (Eidam) Harz.:					
Allium sp.	Sweden		1		Calif.*
†*Paraphelenchus amblyurus* Steiner (?):					
Soil with sansevieria plants	Haiti			1	Fla.*
Peronospora effusa (Grev.) Rab.:					
Spinacia oleracea (spinach)	Mexico	1			Tex.
Peronospora parasitica (Fr.) de By.:					
Brassica oleracea capitata (cabbage)	Germany		1		P. R.
Pestalotia coffeae Zimm.:					
Gardenia augusta (gardenia)	Mexico	1			Tex.
Pestalotia conspicua Servazzi:					
Brassavola sp. (orchid)	†British Honduras			1	Tex.
Dendrobium undulatum (orchid)	†Indonesia			1	Hawaii.
Laelia superbiens (orchid)	Guatemala			1	Tex.
Masdevallia sp. (orchid)	Costa Rica			1	Hawaii.
Oncidium sp. (orchid)	do			1	Hawaii.
Schomburgkia sp. (orchid)	†British Honduras, Mexico.			2	Tex.
Pestalotia psidii Pat.:					
Psidium guajava (guava)	Mexico	4			Ariz., Calif., Tex.
Phoma citricarpa McAlp.:					
Citrus limon (lemon)	Australia, Union of South Africa, unknown.	1	13		Calif.*, Hawaii, Md., Mass., Pa., Tex.
Citrus paradisi (grapefruit)	Japan, Pakistan, Union of South Africa.	1	5		Calif.*, Mass., N. Y., Pa.
Citrus reticulata (Mandarin orange)	China, †Hong Kong, Japan, Macao, Philippines.	23	5		Calif.*, Hawaii, N. Y.

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Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Phoma citricarpa McAlp.:—Continued					
Citrus sinensis (orange)	Africa, Australia, Brazil, China, Hong Kong, Japan, Mozambique, Union of South Africa, unknown.	21	43	----	Ala., Calif.*, Hawaii, Md., Mass., N. Y., Pa., Tex.
Citrus sinensis valencia	Union of South Africa	----	2	----	Pa.
Citrus sp. (orange)	Hong Kong	4	----	----	Mass., N. Y.
Citrus sp.	Hong Kong, Japan, Mozambique, Union of South Africa.	10	2	----	Calif.*, Hawaii, Ill., Mass., Oreg., Tex.
Phoma citricarpa McAlp. (?):					
Citrus sinensis (orange)	Mozambique	----	1	----	Mass.
Phoma limonii Thuem.:					
Citrus limon (lemon)	Italy	1	----	----	Mass.
Phoma nebulosa (Fr.) Berk.:					
Pastinaca sativa (parsnip)	Australia	----	1	----	Calif.*
†*Phomopsis orchidophila* Cash & Watson:					
Orchid	Ecuador	----	----	1	Tex.
Phomopsis palmicola (Wint.) Sacc.:					
Areca catheeu (betel palm)	Guam	1	----	----	Calif.*
Phragmidium disciflorum (Tode) James:					
Rosa sp. (rose)	†Brazil, †Norway	1	1	----	N. Y., P. R.
†*Phyllachora canafistulae* F. L. Stevens & Dalbey:					
Cassia fistula (golden-shower)	Puerto Rico	1	----	----	P. R.
†*Phyllachora graminis* (Fr.) Fckl.:					
Zizania sp.	Japan	----	1	----	Calif.*
‡*Phyllachora sanguinolenta* Th. & Syd.:					
Urochloa mosambicensis	Mozambique	----	----	1	D. C.
†*Phyllosticta cajani* Rangel:					
Cajanus cajan (pigeonpea)	Honduras	1	----	----	Fla.*
‡*Phyllosticta coccolobae* Ell. & Ev.:					
Coccoloba uvifera (seagrape)	Kwajalein	----	----	2	Hawaii.
Phyllosticta concava Seaver (?):					
Pachycereus marginatus (organpipe cactus)	Mexico	----	----	1	Ariz.
‡*Phyllosticta fusco-zonata* Thuem. (?):					
Rubus sp.	Italy	----	1	----	Mass.
†*Phyllosticta gaultheriae* Ell. & Ev.:					
Gaultheria procumbens	Germany	----	----	1	Ill.
†*Phyllosticta hedericola* Dur. & Mont.:					
Hedera sp.	Netherlands	----	----	1	N. J.
‡*Phyllosticta phoradendri* Bonar:					
Phoradendron sp. (American mistletoe)	Mexico	1	----	----	Ariz.
‡*Phyllosticta pleurothallidis* Keissl. (?):					
Epidendrum sp. (orchid)	Salvador	----	----	1	Tex.
Phyllostictina mangiferae Batista & Vital:					
Mangifera indica (mango)	Mexico	1	----	----	Tex.
Physalospora wildemannia Sacc.:					
Cymbidium elegans (orchid)	India	----	----	1	N. J.
†*Phytophthora palmivora* Butl.:					
Theobroma cacao (cacao bean)	Antigua	1	----	----	P. R.
‡*Pleospora agaves* de N.:					
Agave sp.	Mexico	----	----	1	Ariz.
Cactus	do	----	----	1	Ariz.
‡*Pleospora diaportheoides* Ell. & Ev. (?):					
Pachycereus marginatus (organpipe cactus)	do	----	----	3	Ariz.
Pachycereus sp.	do	----	----	1	Ariz.
‡*Plicaria fulva* R. Schneid.:					
Gerbera sp.	India	----	----	1	N. J.
‡*Pratylenchus minyus* Sher & Allen:					
Nerium oleander (oleander)	Austria	1	----	----	N. Y.
Pratylenchus penetrans (Cobb) Sher & Allen:					
Begonia sp.	Azores	----	----	1	Mass.
Gesneria umbellata	Netherlands	----	----	1	N. J.

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Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Pratylenchus penetrans (Cobb) Sher & Allen:—Continued					
Nerium oleander (oleander)	†Austria	1			N. Y.
Soil with cactus plants	†Canada			1	Mass.
Soil with hydrangea plants	†Iran			1	Mass.
Pratylenchus pratensis (De Man) Filip.:					
Gesneria umbellata	Netherlands			1	N. J.
Soil with hydrangea	†Iran			1	Mass.
†*Pratylenchus vulnus* Allen & Jensen:					
Soil with citrus and olive trees	Italy			1	N. Y.
‡*Pseudomicrocera henningsii* (Koord.) Petch:					
Scale insect on *Chamaedorea* sp.	Mexico	1			Tex.
Pseudomonas marginata (McCull.) Stapp:					
Gladiolus sp.	Canada			1	Mich.
‡*Pseudopeziza ribis* Kleb.:					
Ribes nigrum (European black currant)	Germany			1	Ill.
†*Puccinia allii* (DC.) Rudolphi:					
Allium sativum (garlic)	Israel		1		Tex.
Puccinia buxi DC.:					
Buxus microphylla japonica	†Japan			1	D. C.
Buxus sempervirens (box)	France			1	D. C.
Buxus sp.	England(?)		1		N. Y.
Puccinia chrysanthemi Roze:					
Chrysanthemum sp.	Japan	2	2	2	Calif.*, D. C., Hawaii, Wash.
Puccinia glumarum (Schm.) Eriks. & E. Henn.:					
Triticum aestivum (wheat)	France	1			Ill.
‡*Puccinia hemerocallidis* Thuem.:					
Hemerocallis sp.	Japan			1	D. C.
Puccinia horiana P. Henn.:					
Chrysanthemum sp.	do		2	2	D. C., Hawaii, Wash.
‡*Puccinia juncophila* Cke. & Mass. (?):					
Juncus sp.	Australia			1	Ill.
†*Puccinia menthae* Pers. (?):					
Labiatae	Morocco			1	S. C.
Puccinia ornithogali-thyrsoides Diet.:					
Ornithogalum thyrsoides (chinkerichee)	Union of South Africa	1			N. Y.
Puccinia urbaniana P. Henn.:					
Stachytarpheta jamaicensis	Puerto Rico	1			P. R.
‡*Pyrenochaeta spinicola* Speg. (?):					
Cactus	Mexico			1	Ariz.
‡*Ravenelia brongniartiae* Diet. & Holw.:					
Brongniartia sp.	do			1	D. C.
‡*Ravenelia papillifera* Syd.:					
Cassia covesii	do			1	D. C.
Ringspot virus (?):					
Citrullus vulgaris (watermelon)	do	2			Ariz.
†*Rotylenchus erythrinae* (Zimmermann) Goodey (?):					
Soil with *Aloe* sp. plants	Jamaica			1	Fla.*
‡*Rotylenchus reinformis* Linford & Oliveira:					
Soil with unidentified bulbs	Cuba			1	Fla.*
Rotylenchus robustus (De Man) Filip.:					
Soil with carnation and primrose plants and tuberose bulbs	†England			1	Mass.
Soil with hyacinth plant	Germany			1	N. Y.
Soil with unidentified plants	Canada			1	Mass.
Sclerotiopsis testudinea Dearn.:					
Paeonia suffruticosa (tree peony)	Japan			16	Calif.*
Sclerotium cepivorum Berk.:					
Allium sativum (garlic)	Italy, Spain	3			La., P. R.
Scutellonema brachyurum (Steiner) Andrassay:					
Soil with amaryllis bulbs	†do			2	Tex.
Soil with ferns, rose plants, and lily bulbs	†Azores			1	Mass.
Soil with oleander plants	Italy			1	Mass.
Soil with philodendron, sansevieria, and caladium plants	†Canada			1	Mass.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Scutellonema bradys (Steiner & Le Hew) Andrassay:					
Dioscorea sp. (yam)	†Nigeria	1			Mass.
‡*Septoria antirrhini* Desm.:					
Antirrhinum majus (snapdragon)	France			1	D. C.
‡*Septoria astericola* Ell. & Ev.:					
Aster sp.	England			1	N. J.
Septoria azaleae Vogl.:					
Rhododendron sp.	Netherlands			1	N. J.
Septoria chrysanthemi Allesch.:					
Chrysanthemum morifolium	Japan		1		Wash.
Chrysanthemum sp.	England			1	N. J.
Septoria citri Pass.:					
Citrus limon (lemon)	Italy		5		Calif.*
Citrus paradisi (grapefruit)	Japan, Union of South Africa.		2		Calif.*
Citrus reticulata (Mandarin orange)	Japan, †Macao	1	1		Calif.*
Citrus sinensis (orange)	†Mexico, Spain		3		Calif.*, Mass.
Septoria oryzae Catt.:					
Oryza sativa (rice)	Japan		1		Calif.*
Septoria petroselini Desm.:					
Petroselinum crispum (parsley)	†Azores, Ireland, Morocco.		3		Mass., Tex., Va.
†*Septoria sapotae* Batista:					
Achras zapota (sapodilla)	Mexico	1			Tex.
Septoria selenophomoides Cash & Watson:					
Masdevallia reichenbachiana (orchid)	England			1	N. J.
Masdevallia tovarensis	England, †Germany			2	N. J., N. Y.
‡*Sorosporium cenchri* P. Henn.:					
Cenchrus sp.	Mexico	1			Ariz.
†*Specazzinia ornata* Sacc.:					
Bromeliad	do			1	Ariz.
Sphaceloma fawcettii Jenkins var. *scabiosa* (Mc-Alp. & Tyron) Bitanc. & Jenkins:					
Citrus aurantifolia (lime)	Australia		1		Hawaii.
Citrus hystrix	do		1		Hawaii.
Citrus limon (lemon)	do		2		Hawaii.
Sphaceloma punicae Bitanc. & Jenkins:					
Punica granatum (pomegranate)	Mexico	5			Ariz., Tex.
Sphaerostilbe aurantiicola (Berk. & Br.) Petch:					
Citrus limon (lemon)	Cuba	1			Fla.*
†*Sphaerotheca humuli* (DC.) Burr.:					
Rosa sp. (rose)	Panama		1		Fla.*
Sphenospora kevorkianii Imder:					
Epidendrum sp. (orchid)	Ecuador			1	Calif.*
Oncidium sp. (orchid)	†British Honduras			1	Fla.
Orchid	†Cuba			2	Fla.
†*Sphenospora mera* Cummins:					
Orchid	Ecuador	1		1	Calif.*, Fla.
Stagonospora gigantea Heald & Wolf:					
Agave sp.	Mexico			1	Tex.
Yucca sp.	do			1	Tex.
Stagonospora macrospora (Dur. & Mont.) Sacc.:					
Yucca sp.	do			1	Tex.
†*Stemphylium botryosum* Wallr.:					
Capsicum frutescens (pepper)	Liberia		1		St. Thomas & St. John.
‡*Stemphylium consortiale* (Thuem.) Groves & Skolko:					
Dieffenbachia sp.	Mexico			1	Tex.
†*Stemphylium radicinum* (Meier, Drechs. & Eddy) Neerg.:					
Daucus carota (carrot)	Belgium		1		Calif.*
†*Teichospora opuntiae* Ell. & Ev.:					
Cactus	Mexico			1	Ariz.
Lemaireocereus sp. (cactus)	do			1	Ariz.
Thielaviopsis basicola (Berk. & Br.) Ferr.:					
Aconitum napellus	Netherlands			1	N. J.
Paeonia suffruticosa (tree peony)	Japan			1	Calif.*
Sinningia sp.	†Germany			1	Calif.*

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
†*Tilletia horrida* Tak.:					
Oryza sativa (rice)	Japan		1		Calif.*
‡*Torula rhododendri* Kze.:					
Rhododendron sp.	Switzerland	3			Calif.*, Ill.
Tritirachium dependens Limber:					
Lilium longiflorum (Easter lily)	Japan			1	Calif.*
Lilium tigrinum (tiger lily)	do			2	Calif.*
Tuberularia vulgaris Fr.:					
Salix sp. (willow)	Netherlands		1		Pa.
‡*Tylenchorhynchus brevidens* M. W. Allen:					
Soil with primrose plants	Ireland			1	Mass.
‡*Tylenchorhynchus capitatus* M. W. Allen:					
Plant—unidentified	Mexico			1	Ariz.
Tylenchorhynchus dubius (Butschli) Filip.:					
Soil with carnation plants	†Azores			1	Mass.
Soil with unidentified plants	†Canada			1	Mass.
‡*Tylenchorhynchus martini* Fielding:					
Soil with coconut plants	Unknown			1	La.
Tylenchus filiformis (Butschli) Goodey:					
Cactus	†Greece			1	Mass.
Soil with stonecrop plant	Italy			1	Mass.
Uredo behnickiana P. Henn.:					
Epidendrum fragrans (?) (orchid)	Costa Rica			1	Fla.
Epidendrum prismatocarpum	do			1	Fla.
Epidendrum sp.	Costa Rica, Mexico			2	Calif.*, Tex.
Laelia anceps (orchid)	Mexico			1	Tex.
Oncidium forbesi (orchid)	Brazil			1	Fla.
Oncidium sp.	Brazil, unknown			2	Fla., Wash.
Orchid	Brazil			1	Calif.*
Schomburgkia undulata (orchid)	Costa Rica			3	Fla.
Uredo epidendri P. Henn.:					
Epidendrum stamfordianum (orchid)	†British Honduras			1	Fla.
Oncidium phalaenopsis (orchid)	†Ecuador			1	Fla.
Orchid	do			1	Calif.*
Schomburgkia sp. (orchid)	do			3	Fla.
Uredo epidendri P. Henn. (?):					
Epidendrum difforme (?) (orchid)	†Puerto Rico			1	Fla.
Epidendrum imatophyllum	Canal Zone			1	Calif.*
Epidendrum stamfordianum	do			1	Fla.
Epidendrum sp.	Cuba			2	Fla.
Laelia sp. (orchid)	†Salvador			2	Fla.
Odontoglossum bictoniense (orchid)	Guatemala			1	Calif.*
Oncidium sp. (orchid)	†Dominican Republic, Salvador.			2	Fla.
Schomburgkia sp. (orchid)	Ecuador			8	Fla.
Uredo guacae Mayor:					
Epidendrum sp. (orchid)	Cuba			1	Fla.
Ionopsis sp. (orchid)	do			1	Fla.
Orchid	†Bolivia			1	Calif.*
Stanhopea sp. (orchid)	Brazil, Costa Rica			2	Fla.
Uredo guacae Mayor (?):					
Epidendrum atropurpureum (orchid)	Salvador			1	Fla.
Epidendrum sp.	Costa Rica, †Panama, †Puerto Rico.			3	Fla.
Orchid	Cuba			1	Fla.
Stanhopea tigrina (orchid)	Guatemala			1	Fla.
Telipogon sp. (orchid)	Ecuador			1	D. C.
Uredo nigropuncta P. Henn.:					
Epidendrum sp. (orchid)	Costa Rica, Cuba			2	Fla.
Ionopsis sp. (orchid)	Jamaica			1	Fla.
Uredo nigropuncta P. Henn. (?):					
Ionopsis sp. (orchid)	†Netherlands Guiana			1	Fla.
Laelia sp. (orchid)	Costa Rica			1	Fla.
Orchid	†Canal Zone			1	Fla.
Uredo oncidii P. Henn.:					
Oncidium cavendishianum (orchid)	Guatemala			1	Fla.
Oncidium echinatum	Brazil			1	Fla.
Oncidium luridum	†British Honduras			1	Fla.
Oncidium pusillum	†Canal Zone			1	Fla.

See footnotes at end of table.

Pests collected and reported from July 1, 1956, through June 30, 1957—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Uredo oncidii P. Henn.:—Continued					
Oncidium splendidum	Honduras			2	Fla.
Oncidium sp.	Costa Rica, Guatemala, †Salvador.			5	Fla.
Uredo oncidii P. Henn. (?):					
Oncidium cavendishianum (orchid)	England			1	N. J.
Oncidium loxense	Ecuador			1	D. C.
Oncidium pusillum	do			1	Fla.
Oncidium splendidum	Honduras			2	Fla.
†*Uredo scabies* Cke.:					
Vanilla sp. (orchid)	Panama			1	Fla.
†*Urocystis cepulae* Frost:					
Allium cepa (onion)	Israel		1		Fla.
Urocystis gladiolicola Ains.:					
Gladiolus sp.	Netherlands			2	N. J., Wash.
Uromyces alyxiae Arth.:					
Alyxia olivaeformis (maile)	Hawaii	2			Calif.*, Hawaii.
‡*Uromyces junci* (Desm.) Tul.:					
Juncaceae (?)	Portugal	1			Hawaii
†*Uromyces leptodermus* Syd.:					
Urochloa mosambicensis	Mozambique			1	D. C.
Uromyces lespedezae-procumbentis (Schw.) Curt.:					
Lespedeza thunbergii	Japan			2	Calif.*
‡*Uromycladium tepperianum* (Sacc.) McAlp.:					
Acacia aneura	Australia			1	Tex.
Xanthomonas citri (Hasse) Dowson:					
Citrus aurantium (sour orange)	Japan		14		Calif.*, Md., Pa.
Citrus grandis	Formosa, Japan, Thailand.		3		Calif.*, Pa.
Citrus limon (lemon)	Japan		4		Calif.*
Citrus paradisi (grapefruit)	China, Japan	1	1		Ill., Wash.
Citrus reticulata (Mandarin orange)	do	2	3		Calif.*
Citrus reticulata unshiu (satsuma orange)	†Hong Kong	1			Hawaii
Citrus sinensis (orange)	China, Japan	2	31		Calif.*, Hawaii, Ill., Md., Pa.
Xanthomonas citri (Hasse) Dowson (?):					
Citrus aurantifolia (lime)	Philippines	1			Hawaii.
Citrus grandis (pummelo)	Japan	1			Hawaii.
Citrus limon (lemon)	do		2		Wash.
Xanthomonas malvacearum (E. F. Sm.) Dowson:					
Gossypium sp. (cotton)	Bahamas	1			Fla.*
Xanthomonas sp. (Cancrosis B):					
Citrus limon (lemon)	Argentina		2		N. Y., Pa.
‡*Zygorhyncus japonicus* Kominami:					
Eleoharis dulcis (waternut)	China	1			Calif.*

An asterisk (*) indicates State inspection.
A dagger (†) indicates a first interception from the country named.
A double dagger (‡) indicates first record of its interception by Division inspectors.

Hosts and Diseases

ACACIA:
‡*Uromycladium tepperianum* (Promycetes)
ACER:
Cytospora ambiens (Deuteromycetes)
ACHRAS:
†*Septoria sapotae* (Deuteromycetes)
ACONITUM:
Thielaviopsis basicola (Deuteromycetes)
AGAVE:
Colletotrichum agaves (Deuteromycetes)
Hendersonia agaves (Deuteromycetes)
Microdiplodia agaves (Deuteromycetes)
‡*Pleospora agaves* (Ascomycetes)
Stagonospora gigantea (Deuteromycetes)
ALLIUM CEPA:
Mycosphaerella schoenoprasi (Ascomycetes)
†*Urocystis cepulae* (Promycetes)
ALLIUM FISTULOSUM:
Mycosphaerella schoenoprasi (Ascomycetes)
ALLIUM PORRUM:
‡*Cladosporium fasciculare* (Deuteromycetes)
Helicotylenchus multicinctus (Nematoda)
Helicotylenchus nannus (Nematoda)
Heterosporium allii (Deuteromycetes)
Meloidogyne incognita var. *acrita* (Nematoda)
ALLIUM SATIVUM:
Ditylenchus dipsaci (Nematoda)
Puccinia allii (Promycetes)
Sclerotium cepivorum (Deuteromycetes)
ALLIUM sp.:
Mycosphaerella schoenoprasi (Ascomycetes)
†*Papulaspora parasitica* (Deuteromycetes)
ALOE:
Meloidogyne incognita (Nematoda)
†*Rotylenchus erythrinae* (?) (Nematoda)
ALYXIA:
Uromyces alyxiae (Promycetes)
ANTIRRHINUM:
‡*Septoria antirrhini* (Deuteromycetes)
ARAUCARIA:
†*Chlamydomyces palmarum* (Deuteromycetes)
Cryptospora longispora (Ascomycetes)
Diaporthe eres (Ascomycetes)
Macrophoma araucariae (Deuteromycetes)
ARECA:
†*Colletotrichum arecae* (Deuteromycetes)
Phomopsis palmicola (Deuteromycetes)
ASPARAGUS:
Meloidogyne javanica (Nematoda)
ASTER:
Coleosporium solidaginis (Promycetes)
‡*Septoria astericola* (Deuteromycetes)
BEGONIA:
Helicotylenchus nannus (Nematoda)
Pratylenchus penetrans (Nematoda)
BETULA:
†*Asterosporium hoffmanni* (Deuteromycetes)
BRASSAVOLA:
Pestalotia conspicua (Deuteromycetes)
BRASSICA OLERACEA CAPITATA:
Peronospora parasitica (Phycomycetes)
BROMELIAD:
‡*Echidnodes bromeliacearum* (Ascomycetes)
†*Spegazzinia ornata* (Deuteromycetes)
BRONGNIARTIA:
‡*Ravenelia brongniartiae* (Promycetes)
BUXUS:
Puccinia buxi (Promycetes)
CACTUS:
Hendersonia opuntiae (Deuteromycetes)
‡*Pleospora agaves* (Ascomycetes)
‡*Pyrenochaeta spinicola* (?) (Deuteromycetes)
†*Teichospora opuntiae* (Ascomycetes)
Tylenchus filiformis (Nematoda)
CAJANUS:
Colletotrichum cajani (Deuteromycetes)
†*Phyllosticta cajani* (Deuteromycetes)
CALADIUM:
Meloidogyne arenaria (Nematoda)
Meloidogyne javanica (Nematoda)
CALAMINTHA:
Meloidogyne hapla (Nematoda)
CALANTHE:
Coleosporium bletiae (Promycetes)
CALATHEA:
Meloidogyne incognita var. *acrita* (Nematoda)
CALLA:
Meloidogyne incognita (Nematoda)
CAMELLIA:
Discosia artocreas (Deuteromycetes)
CANNA:
Meloidogyne incognita var. *acrita* (Nematoda)
CAPSICUM:
Colletotrichum capsici (Deuteromycetes)
†*Stemphylium botryosum* (Deuteromycetes)
CASSIA:
†*Phyllachora canafistulae* (Ascomycetes)
Ravenelia papillifera (Promycetes)
CENCHRUS:
‡*Sorosporium cenchri* (Promycetes)
CHAENOMELES:
Diaporthe eres (Ascomycetes)
CHAMAEDOREA:
‡*Hypocrella sloaneae* (Ascomycetes)
CHRYSANTHEMUM:
Cylindrosporium chrysanthemi (Deuteromycetes)
Meloidogyne hapla (Nematoda)
Puccinia chrysanthemi (Promycetes)
Puccinia horiana (Promycetes)
Septoria chrysanthemi (Deuteromycetes)
CITRULLUS:
Ringspot virus (?)
CITRUS AURANTIFOLIA:
Elsinoe australis (Ascomycetes)
Hendersonia citri (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (?) (Schizomycetes)
CITRUS AURANTIUM:
Xanthomonas citri (Schizomycetes)
CITRUS GRANDIS:
Meliola citricola (Ascomycetes)
Xanthomonas citri (Schizomycetes)
CITRUS HYSTRIX:
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
CITRUS LIMON:
Elsinoe australis (Ascomycetes)
Erwinia citrimaculans (Schizomycetes)
"Leprosis"
Meliola citricola (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Phoma limonii (Deuteromycetes)
Septoria citri (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Sphaerostilbe aurantiicola (Ascomycetes)
Xanthomonas citri (Schizomycetes)
Xanthomonas sp. (Canerosis B) (Schizomycetes)
CITRUS PARADISI:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA:
Meliola citricola (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA VAR. UNSHIU:
Xanthomonas citri (Schizomycetes)
CITRUS SINENSIS:
Alternaria citri (Deuteromycetes)
Elsinoe australis (Ascomycetes)
"Leprosis"
Phoma citricarpa (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS SINENSIS VAR. VALENCIA:
Phoma citricarpa (Deuteromycetes)
CITRUS SP. (orange):
Phoma citricarpa (Deuteromycetes)
CITRUS SP.:
Phoma citricarpa (Deuteromycetes)
CLEMATIS:
Meloidogyne hapla (Nematoda)
CLIVIA:
Colletotrichum cliviae (Deuteromycetes)

See footnotes at the end of this list.

Hosts and Diseases—Continued

COCCOLOBA:
‡*Phyllosticta coccolobae* (Deuteromycetes)
COCOS:
‡*Ceratocystis radicicola* (Ascomycetes)
Epicoccum cocos (Deuteromycetes)
†*Macrophoma cocos* (Deuteromycetes)
COFFEA:
†*Cercospora coffeicola* (Deuteromycetes)
COLOCASIA:
Helicotylenchus nannus (Nematoda)
CORIANDRUM:
‡*Alternaria dauci* (Deuteromycetes)
CYMBIDIUM:
†*Myiocopron orchidearum* (Ascomycetes)
Physalospora wildemanniana (Ascomycetes)
CYTISUS:
‡*Coniothyrium leguminum* (Deuteromycetes)
DACTYLIS:
‡*Coniothecium glumarum* (Deuteromycetes)
DAHLIA:
Coleosporium dahliae (Promycetes)
Meloidogyne arenaria (Nematoda)
Meloidogyne hapla (Nematoda)
DAUCUS:
†*Stemphylium radicinum* (Deuteromycetes)
DENDROBIUM:
Pestalotia conspicua (Deuteromycetes)
DIANTHUS:
Alternaria dianthi (Deuteromycetes)
†*Alternaria dianthicola* (Deuteromycetes)
†*Heterosporium echinulatum* (Deuteromycetes)
DIEFFENBACHIA:
‡*Stemphylium consortiale* (Deuteromycetes)
DIOSCOREA:
Meloidogyne incognita (Nematoda)
Scutellonema bradys (Nematoda)
ELEOCHARIS:
‡*Zygorhyncus japonicus* (Phycomycetes)
EPIDENDRUM:
Mycosphaerella cattleyae (Ascomycetes)
‡*Phyllosticta pleurothallidis* (?) (Deuteromycetes)
Sphenospora kevorkianii (Promycetes)
Uredo behnickiana (Promycetes)
Uredo epidendri (?) (Promycetes)
Uredo guacae (Promycetes)
Uredo nigropuncta (Promycetes)
ERYNGIUM:
†*Cercospora apii* (Deuteromycetes)
EXCOECARIA:
Meloidogyne hapla (Nematoda)
FAGUS:
Fusicoccum galericulatum (Deuteromycetes)
‡*Hendersonia piriformis* (Deuteromycetes)
FRAGARIA:
Mycosphaerella fragariae (Ascomycetes)
FREESIA:
Meloidogyne javanica (Nematoda)
GALANTHUS:
†*Fusarium oxysporum* f. *narcissi* (?) (Deuteromycetes)
GARDENIA:
†*Colletotrichum coffeanum* (Deuteromycetes)
Meloidogyne incognita (Nematoda)
Omphalia flavida (Basidiomycetes)
Pestalotia coffeae (Deuteromycetes)
GAULTHERIA:
†*Phyllosticta gaultheriae* (Deuteromycetes)
GENISTA:
†*Coniothyrium genistae* (Deuteromycetes)
GERBERA:
Meloidogyne javanica (Nematoda)
‡*Plicaria fulva* (Ascomycetes)
GESNERIA:
Pratylenchus penetrans (Nematoda)
Pratylenchus pratensis (Nematoda)
GINKGO:
Diaporthe eres (Ascomycetes)
GLADIOLUS:
Fusarium oxysporum f. *gladioli* (Deuteromycetes)
‡*Meloidogyne arenaria* var. *thamesi* (Nematoda)
‡*Pseudomonas marginata* (Schizomycetes)
Urocystis gladiolicola (Promycetes)

GLYCINE:
†*Ascochyta pisi* (Deuteromycetes)
GOSSYPIUM:
Xanthomonas malvacearum (Schizomycetes)
HEDERA:
†*Colletotrichum trichellum* (Deuteromycetes)
†*Phyllosticta hedericola* (Deuteromycetes)
HEDYCHIUM:
Meloidogyne javanica (Nematoda)
HEMEROCALLIS:
‡*Puccinia hemerocallidis* (Promycetes)
HIBISCUS:
Meloidogyne incognita var. *acrita* (Nematoda)
IONOPSIS:
Uredo guacae (Promycetes)
Uredo nigropuncta (Promycetes)
IPOMOEA:
‡*Fusarium oxysporum* f. *batatas* (Deuteromycetes)
IRIS:
†*Heterosporium iridis* (Deuteromycetes)
Meloidogyne hapla (Nematoda)
JUGLANS:
Marssonina juglandis (Deuteromycetes)
JUNCACEAE:
‡*Uromyces junci* (Promycetes)
JUNCUS:
‡*Puccinia juncophila* (?) (Promycetes)
JUNIPERUS:
Gymnosporangium haraeanum (Promycetes)
KAEMPFERIA:
Meloidogyne javanica (Nematoda)
LABIATAE:
†*Puccinia menthae* (?) (Promycetes)
LABURNUM:
Coniothyrium cytisellum (Deuteromycetes)
LAELIA:
Pestalotia conspicua (Deuteromycetes)
Uredo behnickiana (Promycetes)
Uredo epidendri (?) (Promycetes)
Uredo nigropuncta (?) (Promycetes)
LAURUS:
†*Papularia vinosa* (Deuteromycetes)
LEMAIREOCEREUS:
†*Teichospora opuntiae* (Ascomycetes)
LESPEDEZA:
Uromyces lespedezae-procumbentis (Promycetes)
LILIUM:
Meloidogyne incognita var. *acrita* (Nematoda)
Tritirachium dependens (Deuteromycetes)
MAHONIA:
Cumminsiella mirabilissima (Promycetes)
MALUS:
‡*Gloeosporium album* (Deuteromycetes)
†*Monilinia fructicola* (Ascomycetes)
Monilinia fructigena (Ascomycetes)
MANGIFERA:
Cercospora mangiferae (Deuteromycetes)
Elsinoe mangiferae (Ascomycetes)
Phyllostictina mangiferae (Deuteromycetes)
MASDEVALLIA:
Pestalotia conspicua (Deuteromycetes)
Septoria selenophomoides (Deuteromycetes)
MONSTERA:
Meloidogyne incognita (Nematoda)
MUSA:
†*Cercospora musae* (Deuteromycetes)
Helminthosporium torulosum (Deuteromycetes)
Macrophoma musae (Deuteromycetes)
NARCISSUS:
Ditylenchus dipsaci (Nematoda)
NERIUM:
‡*Pratylenchus minyus* (Nematoda)
Pratylenchus penetrans (Nematoda)
NOTHOPANAX:
‡*Cercospora panacis* (?) (Deuteromycetes)
ODONTOGLOSSUM:
Uredo epidendri (?) (Promycetes)
OLEA:
Macrophoma oleae (Deuteromycetes)
ONCIDIUM:
Pestalotia conspicua (Deuteromycetes)
Sphenospora kevorkianii (Promycetes)

See footnotes at the end of this list.

Hosts and Diseases—Continued

ONCIDIUM—Continued
Uredo behnickiana (Promycetes)
Uredo epidendri (Promycetes)
Uredo oncidii (Promycetes)
ORCHID:
Camarosporium orchidicola (Deuteromycetes)
Leptosphaeria niessleana (Ascomycetes)
Mycosphaerella cattleyae (Ascomycetes)
Ophiodothella orchidearum (Ascomycetes)
†*Phomopsis orchidophila* (Deuteromycetes)
Sphenospora kevorkianii (Promycetes)
†*Sphenospora mera* (Promycetes)
Uredo behnickiana (Promycetes)
Uredo epidendri (Promycetes)
Uredo guacae (Promycetes)
Uredo nigropuncta (?) (Promycetes)
ORNITHOGALUM:
‡*Didymellina ornithogali* (Ascomycetes)
Meloidogyne hapla (Nematoda)
Meloidogyne javanica (Nematoda)
Puccinia ornithogali-thyrsoides (Promycetes)
ORYZA:
†*Leptosphaeria culmifraga* (Ascomycetes)
‡*Leptosphaeria salvinii* (Ascomycetes)
‡*Ophiobolus oryzinus* (Ascomycetes)
Septoria oryzae (Deuteromycetes)
†*Tilletia horrida* (Promycetes)
PACHYCEREUS:
Phyllosticta concava (?) (Deuteromycetes)
‡*Pleospora diaportheoides* (?) (Ascomycetes)
PAEONIA:
†*Coryneum microstictoides* (Deuteromycetes)
Meloidogyne hapla (Nematoda)
†*Monochaetia paeoniae* (Deuteromycetes)
Sclerotiopsis testudinea (Deuteromycetes)
Thielaviopsis basicola (Deuteromycetes)
PALM:
‡*Corynespora cassiicola* (Deuteromycetes)
‡*Criconemoides mutabile* (Nematoda)
PASPALUM:
Cerebella andropogonis (Deuteromycetes)
PASTINACA:
Phoma nebulosa (Deuteromycetes)
PERSEA:
Cercospora purpurea (Deuteromycetes)
PETROSELINUM:
Septoria petroselini (Deuteromycetes)
PHALARIS:
Helicotylenchus nannus (Nematoda)
PHASEOLUS:
Elsinoe phaseoli (Ascomycetes)
PHILODENDRON:
Colletotrichum philodendri (Deuteromycetes)
Helicotylenchus nannus (Nematoda)
PHORADENDRON:
‡*Phyllosticta phoradendri* (Deuteromycetes)
PHRAGMITES:
†*Lophodermium arundinaceum* (Ascomycetes)
†*Papularia sphaerosperma* (Deuteromycetes)
PHYSALIS:
‡*Meliola acervata* (Ascomycetes)
PINUS:
Coleosporium solidaginis (Promycetes)
POLIANTHES:
Meloidogyne javanica (Nematoda)
POLYGALA:
Meloidogyne incognita var. *acrita* (Nematoda)
POPULUS:
†*Marssonina populi* (Deuteromycetes)
‡*Melampsora populnea* (Promycetes)
PRIMULA:
‡*Tylenchorhynchus brevidens* (Nematoda)
PRUNUS AMYGDALUS:
Coryneum carpophilum (Deuteromycetes)
PRUNUS ARMENIACA:
Coryneum carpophilum (Deuteromycetes)
PRUNUS DOMESTICA:
Monilinia laxa (Ascomycetes)
PSIDIUM:
Pestalotia psidii (Deuteromycetes)
PUNICA:
Sphaceloma punicae (Deuteromycetes)

PYRACANTHA:
Fusicladium pyracanthae (Deuteromycetes)
PYRUS:
Monilinia fructigena (Ascomycetes)
QUERCUS:
†*Cronartium quercuum* (Promycetes)
RAUWOLFIA:
Meloidogyne arenaria (Nematoda)
Meloidogyne javanica (Nematoda)
RHODODENDRON:
†*Cercospora handelii* (Deuteromycetes)
Chrysomyxa ledi var. *rhododendri* (Promycetes)
Diplodina eurhododendri (Deuteromycetes)
Exobasidium vaccinii (Basidiomycetes)
Gloeosporium rhododendri (Deuteromycetes)
Septoria azaleae (Deuteromycetes)
‡*Torula rhododendri* (Deuteromycetes)
RHYNCHOSIA:
Meloidogyne incognita (Nematoda)
RIBES:
Pseudopeziza ribis (Ascomycetes)
ROSA:
Diaporthe eres (Ascomycetes)
Meloidogyne hapla (Nematoda)
Phragmidium disciflorum (Promycetes)
†*Sphaerotheca humuli* (Ascomycetes)
RUBUS:
†*Coryneum microstictum* (Deuteromycetes)
‡*Mainsia variabilis* (Promycetes)
‡*Phyllosticta fusco-zonata* (?) (Deuteromycetes)
SACCHARUM:
Cytospora sacchari (Deuteromycetes)
Leptosphaeria sacchari (Ascomycetes)
SALIX:
Tubercularia vulgaris (Deuteromycetes)
SANSEVIERIA:
Meloidogyne incognita (Nematoda)
SCHOMBURGKIA:
Fusarium solani (Deuteromycetes)
Pestalotia conspicua (Deuteromycetes)
Uredo behnickiana (Promycetes)
Uredo epidendri (Promycetes)
SINNINGIA:
Thielaviopsis basicola (Deuteromycetes)
SOIL:
†*Aphelenchoides bicaudatus* (Nematoda)
†*Aphelenchoides coffea* (Nematoda)
†*Aphelenchoides hunti* (Nematoda)
‡*Criconemoides xenoplax* (Nematoda)
‡*Helicotylenchus erythrinae* (Nematoda)
Helicotylenchus multicinctus (Nematoda)
Helicotylenchus nannus (Nematoda)
Heterodera cacti (Nematoda)
Heterodera carotae (?) (Nematoda)
Heterodera major (Nematoda)
Heterodera punctata (Nematoda)
Heterodera rostochiensis (Nematoda)
†*Heterodera schachtii* (Nematoda)
Meloidogyne incognita (Nematoda)
Meloidogyne incognita var. *acrita* (Nematoda)
†*Paraphelenchus amblyurus* (?) (Nematoda)
Pratylenchus penetrans (Nematoda)
Pratylenchus pratensis (Nematoda)
†*Pratylenchus vulnus* (Nematoda)
Rotylenchus reniformis (Nematoda)
Rotylenchus robustus (Nematoda)
Scutellonema brachyurum (Nematoda)
Tylenchorhynchus dubius (Nematoda)
‡*Tylenchorhynchus martini* (Nematoda)
Tylenchus filiformis (Nematoda)
SOLANUM:
Meloidogyne arenaria (Nematoda)
Meloidogyne hapla (Nematoda)
Meloidogyne incognita (Nematoda)
Meloidogyne incognita var. *acrita* (Nematoda)
Meloidogyne javanica (Nematoda)
SORBUS:
†*Gymnosporangium juniperi* (Promycetes)
Monilinia laxa (Ascomycetes)
SPINACIA:
Peronospora effusa (Phycomycetes)
STACHYTARPHETA:
Puccinia urbaniana (Promycetes)

See footnotes at the end of this list.

Hosts and Diseases—Continued

STANHOPEA:
Uredo guacae (Promycetes)
TAXUS:
Diplodia taxi (Deuteromycetes)
TECOMA:
Meloidogyne javanica (Nematoda)
TELIPOGON:
Uredo guacae (?) (Promycetes)
THEOBROMA:
‡*Phytophthora palmivora* (Phycomycetes)
THUNBERGIA:
Meloidogyne javanica (Nematoda)
TRITICUM:
Ophiobolus graminis (?) (Ascomycetes)
†*Puccinia glumarum* (Promycetes)
UROCHLOA:
‡*Phyllachora sanguinolenta* (Ascomycetes)
†*Uromyces leptodermus* (Promycetes)
VANILLA:
†*Uredo scabies* (Promycetes)
VIBURNUM:
‡*Hendersonia foliorum* var. *viburni* (Deuteromycetes)
Meloidogyne hapla (Nematoda)
VIOLA:
Meloidogyne hapla (Nematoda)
WILKESIA:
Meloidogyne incognita var. *acrita* (Nematoda)
XANTHOSOMA:
Meloidogyne javanica (Nematoda)

See footnotes at the end of this list.

YUCCA:
Hendersonia yuccae (Deuteromycetes)
Stagonospora gigantea (Deuteromycetes)
Stagonospora macrospora (Deuteromycetes)
ZANTEDESCHIA:
Meloidogyne javanica (Nematoda)
ZINGIBER:
Colletotrichum zingiberis (Deuteromycetes)
Melanospora zamiae (Ascomycetes)
Meloidogyne javanica (Nematoda)
ZIZANIA:
†*Phyllachora graminis* (Ascomycetes)

Hosts Unknown

BULB:
Meloidogyne javanica (Nematoda)
CUTTING:
‡*Cryptosphaeria eunomia* (?) (Ascomycetes)
Helicotylenchus nannus (Nematoda)
FERN:
Helicotylenchus multicinctus (Nematoda)
PLANT:
Meloidogyne javanica (Nematoda)
‡*Tylenchorhynchus capitatus* (Nematoda)
SCALE INSECT:
‡*Pseudomicrocera henningsii* (Deuteromycetes)

Countries of Origin and Diseases

AFRICA:
Phoma citricarpa
ANTIGUA:
†*Phytophthora palmivora*
ARGENTINA:
Elsinoe australis
‡*Fusarium oxysporum* f. *batatas*
Heterodera rostochiensis
Xanthomonas sp. (Cancrosis B)
AUSTRALIA:
‡*Cercospora panacis*(?)
Cerebella andropogonis
Cryptospora longispora
‡*Gloeosporium album*
‡*Helicotylenchus multicinctus*
†*Helicotylenchus nannus*
Macrophoma araucariae
Meliola citricola
†*Meloidogyne hapla*
Phoma citricarpa
Phoma nebulosa
‡*Puccinia juncophila*(?)
Sphaceloma fawcettii var. *scabiosa*
‡*Uromycladium tepperianum*
AUSTRIA:
Chrysomyxa ledi var. *rhododendri*
‡*Pratylenchus minyus*
†*Pratylenchus penetrans*
AZORES:
†*Aphelenchoides hunti*
†*Helicotylenchus nannus*
†*Pratylenchus penetrans*
†*Scutellonema brachyurum*
†*Septoria petroselini*
†*Tylenchorhynchus dubius*
BAHAMAS:
†*Meloidogyne incognita acrita*
Xanthomonas malvacearum
BELGIUM:
Colletotrichum cliviae
Exobasidium vaccinii
Heterodera major
Heterodera punctata
Heterodera rostochiensis
†*Meloidogyne hapla*
†*Monilinia laxa*
†*Stemphylium radicinum*
BOLIVIA:
†*Uredo guacae*
BRAZIL:
Elsinoe australis
Elsinoe mangiferae
Meloidogyne incognita acrita
†*Meloidogyne javanica*
Phoma citricarpa
†*Phragmidium disciflorum*
Uredo behnickiana
Uredo guacae
Uredo oncidii
BRITISH HONDURAS:
†*Pestalotia conspicua*
†*Sphenospora kevorkianii*
†*Uredo epidendri*
†*Uredo oncidii*
CANADA:
Coleosporium solidaginis
Helicotylenchus erythrinae
†*Heterosporium iridis*
Meloidogyne incognita
†*Pratylenchus penetrans*
Pseudomonas marginata
†*Rotylenchus robustus*
†*Scutellonema brachyurum*
†*Tylenchorhynchus dubius*
CANAL ZONE:
†*Meloidogyne incognita acrita*
Uredo epidendri(?)
†*Uredo nigropuncta* (?)
†*Uredo oncidii*
CHILE:
Meloidogyne arenaria
†*Meloidogyne incognita*
CHINA:
Colletotrichum zingiberis
Melanospora zamiae
Phoma citricarpa
Xanthomonas citri
‡*Zygorhynchus japonicus*
COLOMBIA:
†*Heterosporium echinulatum*
‡*Mainsia variabilis*
COSTA RICA:
†*Aphelenchoides bicaudatus*
Aphelenchoides coffea
‡*Helicotylenchus multicinctus*
Meloidogyne incognita
†*Meloidogyne incognita acrita*
Mycosphaerella cattleyae
Pestalotia conspicua
Uredo behnickiana
Uredo guacae
Uredo nigropuncta
Uredo oncidii
CUBA:
†*Elsinoe mangiferae*
†*Helicotylenchus nannus*
†*Meloidogyne javanica*
‡*Rotylenchus reniformis*
Sphaerotilbe aurantiicola
†*Sphenospora kevorkianii*
Uredo epidendri (?)
Uredo guacae
Uredo nigropuncta
CZECHOSLOVAKIA:
†*Lophodermium arundinaceum*
DENMARK:
Heterodera major
†*Monilinia fructigena*
DOMINICAN REPOBLIC:
†*Cercospora coffeicola*
Helminthosporium torulosum
†*Meloidogyne arenaria*
†*Meloidogyne incognita*
†*Meloidogyne javanica*
†*Uredo epidendri* (?)
ECUADOR:
†*Heterodera rostochiensis*
†*Meloidogyne arenaria*
†*Mycosphaerella cattleyae*
†*Phomopsis orchidophila*
Sphenospora kevorkianii
Sphenospora mera
†*Uredo epidendri*
Uredo guacae (?)
Uredo oncidii (?)
ENGLAND:
†*Cercospora handelii*
Cytospora ambiens
Ditylenchus dipsaci
Heterodera major
Heterodera punctata
Heterodera rostochiensis
†*Meloidogyne hapla*
Monilinia fructigena
Monilinia laxa
†*Rotylenchus robustus*
‡*Septoria astericola*
Septoria chrysanthemi
Septoria selenophomoides
Uredo oncidii (?)
ENGLAND (?):
Puccinia buxi
EUROPE:
Heterodera rostochiensis
FORMOSA:
Xanthomonas citri
FRANCE:
†*Asterosporium hoffmanni*
Coryneum carpophilum
Diaporthe eres
Heterodera cacti
Heterodera major
†*Meloidogyne incognita acrita*
Onhiobolus graminis (?)
†*Papularia sphaerosperma*
Puccinia buxi
Puccinia glumarum
‡*Septoria antirrhini*

See footnotes at the end of this list.

Countries of Origin and Diseases—Continued

FRENCH WEST AFRICA:
†*Meloidogyne incognita acrita*
GERMANY:
†*Alternaria dianthicola*
Chrysomyxa ledi var. *rhododendri*
‡*Cladosporium fasciculare* (?)
†*Colletotrichum philodendri*
‡*Gloeosporium album*
Heterodera cacti
‡*Heterodera carotae* (?)
Heterodera major
Heterodera punctata
Heterodera rostochiensis
Heterosporium allii
†*Macrophoma araucariae*
‡*Melampsora populnea*
Meloidogyne hapla
†*Meloidogyne incognita*
Mycosphaerella fragariae
Peronospora parasitica
†*Phyllosticta gaultheriae*
‡*Pseudopeziza ribis*
†*Rotylenchus robustus*
†*Septoria selenophomoides*
Thielaviopsis basicola
GREECE:
†*Heliocotylenchus nannus*
†*Heterodera rostochiensis*
†*Tylenchus filiformis*
GUAM:
Phomopsis palmicola
GUATEMALA:
Camarosporium orchidicola
Meloidogyne arenaria
Pestalotia conspicua
Uredo epidendri (?)
Uredo guacae (?)
Uredo oncidii
HAITI:
†*Helicotylenchus nannus*
Paraphelenchus amblyurus (?)
HAWAII:
‡*Meliola acervata*
†*Meloidogyne javanica*
Uromyces alyxiae
HONDURAS:
†*Phyllosticta cajani*
Uredo oncidii
HONG KONG:
†*Meloidogyne javanica*
†*Phoma citricarpa*
†*Xanthomonas citri*
ICELAND:
Heterodera punctata
†*Heterodera rostochiensis*
INDIA:
Coleosporium bletiae
†*Meloidogyne javanica*
Physalospora wildemanniana
‡*Plicaria fulva*
INDONESIA:
†*Pestalotia conspicua*
IRAN:
†*Pratylenchus penetrans*
†*Pratylenchus pratensis*
IRELAND:
Heterodera major
Heterodera punctata
Heterodera rostochiensis
Septoria petroselini
‡*Tylenchorhynchus brevidens*
ISRAEL:
†*Puccinia allii*
†*Urocystis cepulae*
ITALY:
Colletotrichum agaves
†*Colletotrichum trichellum*
Coryneum carpophilum
Ditylenchus dipsaci
Erwinia citrimaculans
‡*Gloeosporium album*
Helicotylenchus erythrinae
Heterodera cacti
Heterodera major
Heterodera punctata
Macrophoma oleae
Marssonina juglandis
Meloidogyne javanica
Mycophaerella fragariae
Phoma limonii
‡*Phyllosticta fusco-zonata* (?)
†*Pratylenchus vulnus*
Sclerotium cepivorum
Scutellonema brachyurum
Septoria citri
Tylenchus filiformis
JAMAICA:
†*Helicotylenchus nannus*
Meloidogyne incognita
†*Meloidogyne javanica*
†*Rotylenchus erythrinae* (?)
Uredo nigropuncta
JAPAN:
†*Ascochyta pisi*
Coleosporium solidaginis
Criconemoides xenoplax
Cylindrosporium chrysanthemi
Diplodia taxi
Discosia artocreas
Gymnosporangium haraeanum
†*Leptosphaeria culmifraga*
Melanospora zamiae
Meliola citricola
Meloidogyne arenaria
‡*Meloidogyne arenaria thamesi*
Meloidogyne hapla
Meloidogyne incognita
Meloidogyne javanica
Mycosphaerella schoenoprasi
†*Ophiobolus oryzinus*
Phoma citricarpa
†*Phyllachora graminis*
†*Puccinia buxi*
Puccinia chrysanthemi
‡*Puccinia hemerocallidis*
Puccinia horiana
Sclerotiopsis testudinea
Septoria chrysanthemi
Septoria citri
Septoria oryzae
Thielaviopsis basicola
†*Tilletia horrida*
Tritirachium dependens
Uromyces lespedezae-procumbentis
Xanthomonas citri
KWAJALEIN:
‡*Phyllosticta coccolobae*
LIBERIA:
†*Stemphylium botryosum*
MACAO:
Phoma citricarpa
†*Septoria citri*
MARQUESAS ISLANDS:
†*Cercospora musae*
MARTINIQUE:
†*Meloidogyne incognita acrita*
MEXICO:
Alternaria dianthi
Ceratocystis radicicola
Cercospora mangiferae
Cercospora purpurea
Coleosporium dahliae
Colletotrichum agaves
Colletotrichum capsici
†*Colletotrichum coffeanum*
Colletotrichum philodendri
‡*Corynespora cassiicola*
‡*Criconemoides mutabile*
†*Cronartium quercuum*
‡*Cryptosphaeria eunomia* (?)
Cytospora sacchari
Ditylenchus dipsaci
‡*Echidnodes bromeliacearum*
Elsinoe mangiferae
Fusarium oxysporum f. *gladioli*
Fusarium solani

See footnotes at the end of this list.

Countries of Origin and Diseases—Continued

MEXICO—Continued
‡*Helicotylenchus multicinctus*
Helicotylenchus nannus
Hendersonia agaves
Hendersonia citri
Hendersonia opuntiae
Hendersonia yuccae
Heterodera cacti
Heterodera punctata
Heterodera rostochiensis
‡*Hypocrella sloaneae*
"Leprosis"
Leptosphaeria niessleana
Leptosphaeria sacchari
†*Macrophoma cocos*
†*Marssonina populi*
Meloidogyne incognita
Meloidogyne incognita acrita
Meloidogyne javanica
Microdiplodia agaves
Omphalia flavida
Ophiodothella orchidearum
Peronospora effusa
Pestalotia coffeae
Pestalotia conspicua
Pestalotia psidii
Phyllosticta concava (?)
‡*Phyllosticta phoradendri*
Phyllostictina mangiferae
‡*Pleospora agaves*
‡*Pleospora diaportheoides* (?)
‡*Pseudomicrocera henningsii*
‡*Pyrenochaeta spinicola* (?)
‡*Ravenelia bronyniartiae*
‡*Ravenelia papillifera*
Ringspot virus (?)
†*Scutellonema brachyurum*
†*Septoria citri*
†*Septoria sapotae*
‡*Sorosporium cenchri*
†*Spegazzinia ornata*
Sphaceloma punicae
Stagonospora gigantea
Stagonospora macrospora
‡*Stemphylium consortiale*
†*Teichospora opuntiae*
‡*Tylenchorhynchus capitatus*
Uredo behnickiana
MOROCCO:
Coryneum microstictum
†*Puccinia menthae* (?)
Septoria petroselini
MOZAMBIQUE:
Phoma citricarpa
‡*Phyllachora sanguinolenta*
†*Uromyces leptodermus*
NETHERLANDS:
‡*Coniothecium glumarum*
Coniothyrium cytisellum
Coryneum microstictoides
Cumminsiella mirabilissima
Diaporthe eres
Diplodina eurhododendri
Fusarium oxysporum f. *gladioli*
Fusicladium pyracanthae
Fusicoccum galericulatum
‡*Gloeosporium album*
Gloeosporium rhododendri
‡*Hendersonia foliorum* var. *viburni*
‡*Hendersonia piriformis* (?)
Heterodera avenae
Heterodera punctata
Heterodera rostochiensis
Meloidogyne hapla
Monilinia fructigena
†*Monochaetia paeoniae*
†*Phyllosticta hedericola*
Pratylenchus penetrans
Pratylenchus pratensis
Septoria azaleae
Thielaviopsis basicola
Tubercularia vulgaris
Urocystis gladiolicola

NETHERLANDS GUIANA:
†*Uredo nigropuncta* (?)
NEW GUINEA:
†*Mycosphaerella cattleyae*
†*Myiocopron orchidearum*
NEW ZEALAND:
†*Heterodera cacti*
NIGERIA:
Scutellonema bradys
NORFOLK ISLAND:
†*Chlamydomyces palmarum*
Cryptospora longispora
†*Diaporthe eres*
Macrophoma araucariae
NORTHERN IRELAND:
†*Diaporthe eres*
NORWAY:
Cumminsiella mirabilissima
†*Gymnosporangium juniperi*
Heterodera punctata
†*Phragmidium disciflorum*
PAKISTAN:
Phoma citricarpa
PALESTINE:
†*Alternaria dianthicola*
PANAMA:
†*Sphaerotheca humuli*
†*Uredo guacae* (?)
†*Uredo scabies*
PERU:
Heterodera rostochiensis
†"Leprosis"
†*Meloidogyne arenaria*
PHILIPPINES:
†*Colletotrichum arecae*
Phoma citricarpa
Xanthomonas citri (?)
PORTUGAL:
†*Coniothyrium genistae*
‡*Coniothyrium leguminum*
‡*Helicotylenchus erythrinae*
†*Papularia vinosa*
‡*Uromyces junci*
PUERTO RICO:
‡*Alternaria dauci*
†*Cercospora apii*
Colletotrichum cajani
Colletotrichum capsici
Elsinoe phaseoli
†*Phyllachora canafistulae*
Puccinia urbaniana
Uredo epidendri (?)
†*Uredo guacae* (?)
ST. KITTS:
Colletotrichum cajani
SALVADOR:
‡*Phyllosticta pleurothallidis* (?)
†*Uredo epidendri* (?)
Uredo guacae (?)
†*Uredo oncidii*
SCOTLAND:
Helicotylenchus erythrinae
†*Helicotylenchus nannus*
Heterodera major
Heterodera punctata
Heterodera rostochiensis
SPAIN:
Alternaria citri
Ditylenchus dipsaci
Heterodera major
†*Heterodera schachtii*
Sclerotium cepivorum
Septoria citri
SWEDEN:
Heterodera major
†*Heterodera schachtii*
†*Papulaspora parasitica*
SWITZERLAND:
Chrysomyxa ledi var. *rhododendri*
‡*Torula rhododendri*
TAHITI:
†*Macrophoma musae*

See footnotes at the end of this list.

Countries of Origin and Diseases—Continued

THAILAND:
†*Leptosphaeria salvinii*
Meliola citricola
†*Meloidogyne arenaria*
†*Meloidogyne javanica*
Xanthomonas citri
TURKEY:
†*Fusarium oxysporum* f. *narcissi* (?)
UNION OF SOUTH AFRICA:
‡*Didymellina ornithogali*
†*Helicotylenchus nannus*
†*Meloidogyne hapla*
†*Meloidogyne incognita*
Meloidogyne javanica
Phoma citricarpa
Puccinia ornithogali-thyrsoides
Septoria citri
UNKNOWN:
Coryneum carpophilum
Heterodera punctata
Phoma citricarpa
‡*Tylenchorhynchus martini*
Uredo behnickiana
WAKE ISLAND (?):
Epicoccum cocos

A dagger (†) indicates a first interception from the country named.
A double dagger(‡) indicates first record of its interception by Division inspectors.

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